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SEQUENCE LISTING

<110> CANON KABUSHIKI KAISHA

<120> Probe set and method for identification of allele of HLA

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 <212> DNA
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <213> Homo sapiens

<400> 43

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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gcacgg

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 <211> 546
 <212> DNA
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 agaccaccaa gcacaagtgg gaggcgcccc gtgtggcgga gcagttgaga gcctacctgg 480
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<210> 56
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcacgg 546
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<211> 546
<212> DNA
<213> Homo sapiens
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggtccg gagtattggg 180
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gcacgg 546
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<210> 58
<211> 546
<212> DNA
<213> Homo sapiens
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggtccg gagtattggg 180
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 <212> DNA
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 <212> DNA
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cgcggggagc cccgcttcat cgagtgggc tacgtggacg acacgcagtt cgtgcggttc	180
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 63

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<212> DNA

<213> Homo sapiens

<400> 64

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<210> 65

<211> 546

<212> DNA

<213> Homo sapiens

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gcacgg 546

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<211> 895
<212> DNA
<213> Homo sapiens

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 72
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 <212> DNA
 <213> Homo sapiens

<400> 72	
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 <212> DNA
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 <211> 897
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<210> 76
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 77
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 <212> DNA
 <213> Homo sapiens

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<210> 78
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <211> 546
 <212> DNA
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<400> 80						
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<211> 897

<212> DNA

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tggcagcggg atggggagga ccagaccag gacacggagc ttgtggagac caggcctgca	780
ggggatggaa ccttccagaa gtgggcagct gtggtggtac cttctggaga ggagcagaga	840
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<210> 107
 <211> 897
 <212> DNA
 <213> Homo sapiens

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ccggagtatt gggacgagga gacagggaaa gtgaaggccc actcacagac tgaccgagag	300
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<210> 108
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<210> 109
 <211> 897
 <212> DNA
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ggggatggaa	ccttccagaa	gtgggcagct	gtggtggtac	cttctggaga	ggagcagaga	840
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<210> 110
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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ggggatggaa ccttccagaa gtgggcagct gtggtggtac cttctggaga ggagcagaga	840
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<210> 112
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 112

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cgagccagag gatggagccg cgggcccgt ggatagagca ggaggggccc gagtattggg	180
acgaggagac agggaaagtg aaggcccact cacagactga ccgagagaac ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg gttctcacac cctccagatg atgtttggct	300
gcgacgtggg gtcggacggg cgcttcctcc gcgggtacca ccagtacgcc tacgacggca	360
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agatcaccaa gcgcaagtgg gaggcggccc atgtggcgga gcagcagaga gcctacctgg	480
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gcactg	546

<210> 113
 <211> 897
 <212> DNA
 <213> Homo sapiens

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ccggagtatt gggacgagga gacagggaaa gtgaaggccc actcacagac tgaccgagcg	300
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atgatgtttg gctgcgacgt ggggtcggac gggcgcttcc tccgcgggta ccaccgtac	420
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<210> 114
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgacgtggg gtcggacggg cgcttcctcc gcgggtacca ccagtacgcc tacgacggca 360
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<210> 115
<211> 546
<212> DNA
<213> Homo sapiens
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
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cgctccgcta ctacaaccag agcgaggccg gttctcacac cctccagatg atgtttggct 300
gcgacgtggg gtcggacggg cgcttcctcc gcgggtacca ccagtacgcc tacgacggca 360
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agatcaccaa gcgcaagtgg gaggcgcccc atgtggcgga gcagtggaga gcctacctgg 480
agggcacgtg cgtggacggg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
gcacgg 546
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<211> 897
<212> DNA
<213> Homo sapiens
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cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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tggcagcggg	atggggagga	ccagaccag	gacacggagc	ttgtggagac	caggcctgca	780
ggggatggaa	ccttccagaa	gtgggcagct	gtggtggtac	cttctggaga	ggagcagaga	840
tacacctgcc	atgtgcagca	tgagggtctg	cccaagcccc	tcacctgag	atgggag	897

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 <212> DNA
 <213> Homo sapiens

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atccatgagg	
tattttctcca	
catccgtgtc	
ccggcccggc	
cgcggggagc	180
cccgccttcat	
cgccgtgggc	
tacgtggacg	
acacgcagtt	
cgtgcggttc	
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cttctggaga	
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 <211> 546
 <212> DNA

<213> Homo sapiens

<400> 118

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gcgacgtggg	gtcggacggg	cgcttcctcc	gcgggtacca	ccagtacgcc	tacgacggca	360
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gcacgg						546

<210> 119

<211> 546

<212> DNA

<213> Homo sapiens

<400> 119

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<210> 120

<211> 546

<212> DNA

<213> Homo sapiens

<400> 120

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cgagccagag	gatggagccg	cgggcgccgt	ggatagagca	ggaggggccc	gagtattggg	180

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gcacgg						546

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gcacgg 546

<210> 123
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<212> DNA
<213> Homo sapiens

<400> 123
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gcacgg 546

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<213> Homo sapiens

<400> 124
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gcacgg 546

<210> 125
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<212> DNA

<213> Homo sapiens

<400> 125

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<210> 126

<211> 546

<212> DNA

<213> Homo sapiens

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<211> 897

<212> DNA

<213> Homo sapiens

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cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttc	180

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gcacgg	546

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tatttctaca	
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cgcggggagc	180
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<213> Homo sapiens

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<212> DNA
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 <212> DNA
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 <212> DNA
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gcgacgtggg gtcggacggg cgcttcctcc gcgggtatga acagcacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc atgtggcgga gcagtggaga gcctacctgg	480
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 <212> DNA
 <213> Homo sapiens

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gcacgg	546

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<210> 177
 <211> 897
 <212> DNA
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<400> 178
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 agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagttgaga gcctacctgg 480
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546

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 <211> 822
 <212> DNA
 <213> Homo sapiens

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
 accaggagac acggaatgtg aaggcccagt cacagactga ccgagtggac ctggggaccc 240
 tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagata atgtatggct 300
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<210> 181
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 <212> DNA
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggagaggcct gagtattggg	180
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gcacgg	546

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<210> 194
<211> 546
<212> DNA
<213> Homo sapiens
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
accaggagac acggaatgtg aaggcccact cacagactga ccgagagagc ctgcggatcg 240
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agatcaccaa gcgcaagtgg gaggcgcccc atgaggcgga gcagttgaga gcctacctgg 480
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gcacgg 546
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<210> 195
<211> 897
<212> DNA
<213> Homo sapiens
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cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttt 180
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ggggatggaa	ccttccagaa	gtgggcgtct	gtggtggtgc	cttctggaca	ggagcagaga	840
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 197
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcacgg						546

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 <211> 897
 <212> DNA
 <213> Homo sapiens

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cagacctggg	120
cgggctccca	
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ggggatggaa	840
ccttccagaa	
gtgggcgtct	
gtggtggtgc	
cttctggaca	
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 <212> DNA
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cagacctggg	120
cgggctccca	
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tatttcacca	
catccgtgtc	
ccggcccggc	
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgacgtggg gtcggacggg cgcttctcc gcgggtacca gcaggacgcc tacgacggca	360
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gcacgg	546

<210> 201
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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tgaggtgctg ggccctgagc ttctaccctg cggagatcac actgacctgg cagcgggatg	660
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cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttc	180
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<212> DNA
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 gcacgg 546

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <211> 897
 <212> DNA
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ccggagtatt gggaccagga gacacggaat atgaaggccc actcacagac tgaccgagcg	300
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 agaccaccaa gcacaagtgg gaggcggccc atgtggcgga gcagcagaga gcctacctgg 480
 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 gcacgg 546

<210> 228
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 228
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 cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
 acgaggagac acggaatgtg aaggcccagt cacagactga ccgagtggac ctggggaccc 240
 tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagatg atgtatggct 300
 gcgacgtggg gtcggacggg cgcttcctcc gcgggtaccg gcaggacgcc tacgacggca 360
 aggattacat cgccctgaaa gaggacctgc gctcttgac cgcggcggac atggcagctc 420
 agaccaccaa gcacaagtgg gaggcggccc atgtggcgga gcagtggaga gcctacctgg 480
 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 gcacgg 546

<210> 229
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 229
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 tccatgaggt atttctacac ttccgtgtcc cggcccggcc gcggggagcc ccgcttcac 120

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gccgtgggct acgtggacga cacgcagttc gtgcggttcg acagcgacgc cgcgagccag	180
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acacggaatg tgaaggccca gtcacagact gaccgagtgg acctggggac cctgcgcggc	300
tactacaacc agagcgaggc cggttctcac accatccaga tgatgtatgg ctgcgacgtg	360
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atcgccctga aagaggacct gcgctcttgg accgcggcgg acatggcagc tcagatcacc	480
aagcacaagt gggaggcggc ccatgtggcg gagcagtgga gagcctacct ggagggcacg	540
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<210> 230
 <211> 866
 <212> DNA
 <213> Homo sapiens

<400> 230 atggccgtca tggcgccccg aaccctcgtc ctgctactct cgggggcccct ggccctgacc	60
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cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttc	180
gacagcgacg ccgcgagcca gaggatggag ccgcgggcgc cgtggataga gcaggagggg	240
ccggagtatt gggaccggga gacacggaat gtgaaggccc agtcacagac tgaccgagtg	300
gacctgggga ccctgcgcgg ctactacaac cagagcgagg ccggttctca caccatccag	360
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gacatggcag ctcagaccac caagcacaag tgggaggcgg cccatgtggc ggagcagtgg	540
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gagacgtgc agcgcacgga ccccccaaa acgcatatga ctcaccacgc tgtctctgac	660
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<210> 231
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 231 gctcccactc catgaggtat ttctacacct ccgtgtcccg gcccggccgc ggggagcccc	60
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tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagatg atgtatggct	300
gcgacgtggg gtcggacggg cgcttcctcc gcgggtaccg gcaggacgcc tacgacggca	360
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agaccaccaa gcacaagtgg gaggcgggccc atgtggcgga gcagtggaga gcctacctgg	480
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gcgcgg	546

<210> 232
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 232	
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acggaatgtg aaggcccact cacagactca ccgagtggac ctggggaccc	240
tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagagg atgtatggct	300
gcgacgtggg gccggacggg cgcttcctcc gcgggtacca ccagtacgcc tacgacggca	360
aggattacat cgccctgaaa gaggacctgc gctcttggac cgcggcggac atggcagctc	420
agaccaccaa gcacaagtgg gaggcgggccc atgtggcgga gcagtggaga gcctacctgg	480
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gcacgg	546

<210> 233
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 233	
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gggagccccg cttcatcgcc gtgggctacg tggacgacac gcagttcgtg cggttcgaca	180
gcgacgccgc gagccagagg atggagccgc gggcgccgtg gatagagcag gaggggcccg	240
agtattggga ccggaacaca cggaatgtga agggccagtc acagactgac cgagtggacc	300
tggggaccct gcgcggctac tacaaccaga gcgaggccgg ttctcacacc atccagatga	360

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tggcagctca	gaccaccaag	cacaagtggg	aggcgggcct	tgtggcggag	cagtggagag	540
cctacctgga	gggcacgtgc	gtggagtggc	tccgcagata	cctggagaac	gggaaggaga	600
cgctgcagcg	cacgg					615

<210> 234
 <211> 897
 <212> DNA
 <213> Homo sapiens

<400> 234	
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tggtcgccccg	
aacctcgtc	
ctgtactct	
cgggggccct	
ggccctgacc	
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ctccatgagg	
tatttctaca	
cttccgtgtc	
ccggcccggc	
cgcggggagc	180
cccgtttcat	
cgccgtgggc	
tacgtggacg	
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cgtgcggttc	
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ccctgcgcgg	
ctactacaac	
cagagcgagg	
ccggttctca	
caccatccag	
atgatgtatg	420
gctgcgacgt	
ggggctcgac	
gggcgcttcc	
tccgcgggta	
ccggcaggtc	
gcctacgacg	480
gcaaggatta	
catcgccctg	
aaagaggacc	
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gaccgcggcg	
gacatggcag	540
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caagcacaag	
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cacactgacc	
tggcagcggg	780
atggggagga	
ccagaccag	
gacacggagc	
tcgtggagac	
caggcctgca	
ggggatggaa	840
ccttccagaa	
gtgggtggct	
gtggtggtgc	
cttctggaca	
ggagcagaga	
tacacctgcc	897
atgtgcagca	
tgagggtttg	
cccaagcccc	
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atgggag	

<210> 235
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 235	
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ttctacactt	
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cgagttcgt	
gcggttcgac	
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cgagccagag	180
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aaggcccagt	
cacagactga	
ccgagtggac	
ctggggaccc	
tgcgcggtca	300
ctacaaccag	
agcgaggccg	
gttctcacac	
catccagatg	
atgtatggct	

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gcgacgtggg gtcggacggg cgcttcctcc gcggggtaccg gcaggacgcc tacgacggca	360
aggattacat cgccctgaaa gaggacctgc gctcttggac cgcggcggac atggcagctc	420
agaccaccaa gcacaagtgg gaggcgggccc atgtggcgga gcagtggaga gcctacctgg	480
atggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
gcacgg	546

<210> 236
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 <212> DNA
 <213> Homo sapiens

<400> 236	
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acggaatgtg aaggccact cacagactca ccgagtggac ctggggaccc	240
tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagatg atgtatggct	300
gcgacgtggg gtcggacggg cacttcctcc gcggggtaccg gcaggacgcc tacgacggca	360
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agaccaccaa gcacaagtgg gaggcgggccc atgtggcgga gcagtggaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
gcacgg	546

<210> 237
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 237	
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cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acggaatgtg aaggccagt cacagactga ccgagtggac ctggggaccc	240
tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagatg atgtatggct	300
gcgacgtggg gtcggacggg cgcttcctcc gcggggtaccg gcaggacgcc tacgacggca	360
aggattacat cgccctgaaa gaggacctgc gctcttggac cgcggcggac atggcagctc	420
agaccaccaa gcacaagtgg gaggcgggccc atgtggcgga gcagtggaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa ccggaaggag acgctgcagc	540

gcacgg

546

<210> 238
 <211> 897
 <212> DNA
 <213> Homo sapiens

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 cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttc 180
 gacagcgacg ccgcgagcca gaggatggag ccgcggggcg cgtggataga gcaggagggg 240
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 gacctgggga ccctgcacgg ctactacaac cagagcgagg ccggttctca caccatccag 360
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 tggcagcggg atggggagga ccagacccag gacacggagc tcgtggagac caggcctgca 780
 ggggatgaa ccttccagaa gtgggtggct gtggtggtgc cttctggaca ggagcagaga 840
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 <212> DNA
 <213> Homo sapiens

<400> 239
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 cgagccagag gatggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
 accggaacac acggaatgtg aaggcccagt cacagactga ccgagtggac ctggggaccc 240
 tgcgcggcta ctacaaccag agcgaggccg gttctcacac catccagagg atgtatggct 300
 gcgacgtggg gtcggacggg cgcttcctcc gcgggtaccg gcaggacgcc tacgacggca 360
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 agaccaccaa gcacaagtgg gaggcggccc atgtggcgga gcagtggaga gcctacctgg 480
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gcacgg

546

<210> 240
 <211> 897
 <212> DNA
 <213> Homo sapiens

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 cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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 gacctgggga ccctgcgcgg ctactacaac cagagcgagg ccggttctca caccgtccag 360
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 gcctacgacg gcaaggatta catcgccctg aaagaggacc tgcgctcttg gaccgcggcg 480
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 ggggatggaa ccttccagaa gtgggcggct gtggtggtgc cttctggaca ggagcagaga 840
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<210> 241
 <211> 897
 <212> DNA
 <213> Homo sapiens

<400> 241
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 cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtgcggttt 180
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 gacctgggga ccctgcgcgg ctactacaac cagagcgagg ccggttctca caccatccag 360
 atgatgtatg gctgcgacgt ggggccggac gggcgccctc tccgcgggta ccagcaggac 420
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gagacgctgc	agcgcacgga	cgcccccaag	acgcatatga	ctcaccacgc	tgtctctgac	660
catgaggcca	ccctgaggtg	ctggggccctg	agcttctacc	ctgcggagat	cacactgacc	720
tggcagcggg	atggggagga	ccagacccag	gacacggagc	ttgtggagac	caggcctgca	780
ggggatggaa	ccttccagaa	gtgggcgtct	gtggtggtgc	cttctggaca	ggagcagaga	840
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 <211> 619
 <212> DNA
 <213> Homo sapiens

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ctccatgagg	
tatttcttca	
catccgtgtc	
ccggcccggc	
cgcggggagc	180
cccgtttcat	
cgccgtgggc	
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cgtgcggttt	
gacagcgacg	240
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gacctgggga	360
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tggctccgca	
gatacctgga	
gaacgggaag	
gagacgctgc	619
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<210> 243
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 243	
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aaccctcctc	
ctgctactct	
tgggggccct	
ggccctgacc	
cagaccaggg	120
cgggctccca	
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ctactacaac	
cagagcgagg	
ccggttctca	
caccatccag	
atgatgtatg	420
gctgcgacgt	
ggggccggac	
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tccgcgggta	
ccagcaggac	

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gcctacgacg gcaaggatta catcgcttg aacgaggacc tgcgctcttg gaccgcggcg	480
gacatggcgg ctcagatcac ccagcgcaag tgggaggcgg cccgtgtggc ggagcagttg	540
agagcctacc tggagggcac gtgcgtggag tggctccgca gatacctgga gaacgggaag	600
gagacgctgc agcgcacgg	619

<210> 244
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 244 ggctcccact ccatgaggtta tttcttcaca tccgtgtccc ggcccggccg cggggagccc	60
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gcgagccaga ggatggagcc gcgggcgccg tggatagagc aggagggtcc ggagtattgg	180
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cagatcacc agcgcaagtg ggaggcggcc cgtgtggcgg agcagttgag agcctacctg	480
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cgcacgg	547

<210> 245
 <211> 546
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 <212> DNA
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 546
 <212> DNA
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cgggcgccgt	ggatagagca
ggaggggccc	gagtattggg
	180
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aaggcccagg	cacagactga
ccgagagAAC	ctgcggaacc
	240
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agcgaggccg	gggtctcacac
cctccagagc	atgtacggct
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ccagtccgcc	tacgacggca
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gaggacctgc	gctcctggac
cgccgaggac	acggcggttc
	420
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gaggcggtcc	gtgaggcgga
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gcgctg	
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<210> 1171
 <211> 546
 <212> DNA
 <213> Homo sapiens

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aaggcccagg	cacagactga
ccgagagagc	ctgcggaacc
	240
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cgccgaggac	acggcggttc
	420
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gcagcggaga	gcctacctgg
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<210> 1172
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1173
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1174
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 <212> DNA
 <213> Homo sapiens

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<211> 546
<212> DNA
<213> Homo sapiens

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<210> 1176
<211> 546
<212> DNA
<213> Homo sapiens

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 1180	
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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca	360

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aggattacat	cgccctgaac	gaggacctgc	gctcctggac	cgccgcggac	acggcggtc	420
agatcaccca	gcgcaagtgg	gaggcggtc	gtgaggcgga	gcagcggaga	gcctacctg	480
agggcgagt	cggtggagt	ctccgcagat	acctggagaa	cggaaggac	aagctggagc	540
gcgctg						546

<210> 1181
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1181	
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cgagtccgag	agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
accggaacac	acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
tgcgcggtc	ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
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agatcaccca	gcgcaagtgg gaggcggtc gtgaggcgga gcagcggaga gcctacctg 480
agggcgagt	cggtggagt ctccgcagat acctggagaa cggaaggac aagctggagc 540
gcgctg	

<210> 1182
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1182	
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gcttcatctc	agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgccg 120
cgagtccgag	agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
accggaacac	acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
tgcgcggtc	ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
gcgacgtggg	gccggacggg cgcctcctcc gcgggcatga ccagtagcc tacgacggca 360
aggattacat	cgccctgaac gaggacctgc gctcctggac cgccgcggac acggcggtc 420
agatcaccca	gcgcaagtgg gaggcggtc gtgaggcgga gcagcggaga gcctacctg 480
agggcgagt	cggtggagt ctccgcagat acctggagaa cggaaggac aagctggagc 540
gcgctg	

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<210> 1183
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1183
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 cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
 accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
 gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca 360
 aggattacat cgccctgaac gaggacctgc gctcctggac cgccgcggac acggcggtc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagcggaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagat acctggagaa cggaaggac aagctggagc 540
 gcgctg 546

<210> 1184
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1184
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 cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
 accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
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 aggattacat cgccctgaac gaggacctgc gctcctggac cgccgcggac acggcggtc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcaggacaga gcctacctgg 480
 agggcgagtg cgtggagtgg ctccgcagat acctggagaa cggaaggac aagctggagc 540
 gcgctg 546

<210> 1185
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1185
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 gcttcatctc agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgccg 120

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc	240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca	360
aggattacat cgccctgaac gaggacctgc gctcctggac cgccgaggac acggcggtc	420
agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagctgaga gcctacctgg	480
agggcgagtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac aagctggagc	540
gcgctg	546

<210> 1186
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatctcc aagaccaaca cacagactta ccgagaggac ctgcggaacc	240
tgctccgcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca	360
aggattacat cgccctgaac gaggacctgc gctcctggac cgccgaggac acggcggtc	420
agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagcggaga gcctacctgg	480
agggcgagtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac aagctggagc	540
gcgctg	546

<210> 1187
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1187	
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gcttcatctc agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgccg	120
cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc	240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggtatga ccaggacgcc tacgacggca	360

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aggattacat	cgccctgaac	gaggacctgc	gctcctggac	cgccgaggac	acggcggtc	420
agatcaccca	gcgcaagtgg	gaggcggtc	gtgaggcgga	gcagcgaga	gcctacctg	480
agggcgagt	cgtggagtgg	ctccgcagat	acctggagaa	cggaaggac	aagctggagc	540
gcgctg						546

<210> 1188
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1188	
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ttcgacaccg	ccatgtcccg
gcccggccgc	ggggagcccc
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gcttcatctc	agtgggctac
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gaggttcgac	agcgacgccg
120	
cgagtccgag	agaggagccg
cgggcgccgt	ggatagagca
ggaggggccc	gagtattggg
180	
accggaacac	acagatctac
aaggcccagg	cacagactga
ccgagagagc	ctgcggaacc
240	
tgcgcggtc	ctacaaccag
agcgaggccg	ggtctcacac
cctccagagc	atgtacggct
300	
gcgacgtggg	gccggacggg
cgctcctcc	gcgggcatga
ccagtacgcc	tacgacggca
360	
aggattacat	cgccctgaac
gaggacctgc	gctcctggac
cgccgaggac	acggcggtc
420	
agatcaccca	gcgcaagtgg
gaggcggtc	gtgaggcgga
gcagcgaga	gcctacctg
480	
agggcgagt	cgtggagtgg
ctccgcagat	acctggagaa
cggaaggac	aagctggagc
540	
gcgctg	
546	

<210> 1189
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1189	
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ttctacacct	ccgtgtcccg
gcccggccgc	ggggagcccc
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gcttcatctc	agtgggctac
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gaggttcgac	agcgacgccg
120	
cgagtccgag	agaggagccg
cgggcgccgt	ggatagagca
ggaggggccc	gagtattggg
180	
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aaggcccagg	cacagactga
ccgagagagc	ctgcggaacc
240	
tgcgcggtc	ctacaaccag
agcgaggccg	ggtctcacac
cctccagagc	atgtacggct
300	
gcgacgtggg	gccggacggg
cgctcctcc	gcgggcatga
ccagtacgcc	tacgacggca
360	
aggattacat	cgccctgaac
gaggacctgc	gctcctggac
cgccgaggac	acggcggtc
420	
agatcaccca	gcgcaagtgg
gaggcggtc	gtgaggcgga
gcagcgaga	gcctacctg
480	
agggcgagt	cgtggagtgg
ctccgcagat	acctggagaa
cggaaggac	aagctggagc
540	
gcgctg	
546	

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<210> 1190
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1190
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 cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatctac aaggcccagg cacagactga ccgagagagc ctgcggaacc 240
 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
 gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagcggaga gcctacctgg 480
 agggcacgtg cgtggagtggt ctccgcagat acctggagaa cgggaaggac aagctggagc 540
 gcgctg 546

<210> 1191
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1191
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 gagacctggg ccggctccca ctccatgagg tatttcgaca ccgccatgtc ccggcccggc 120
 cgcggggagc cccgcttcat ctcagtgggc tacgtggacg acacgcagtt cgtgaggttc 180
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 ccggagtatt gggaccggaa cacacagatc ttcaagacca acacacagac tgaccgagag 300
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 gcctacgacg gcaaggatta catcgccctg aacgaggacc tgcgctcctg gaccgcggcg 480
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 agagcctacc tggagggcac gtgcgtggag tggctccgca gatacctgga gaacgggaag 600
 gacacgctgg agcgcgcgga cccccaaag acacacgtga cccaccaccc catctctgac 660
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 ggagatagaa ccttccagaa gtgggcagct gtggtggtgc cttctggaga agagcagaga 840
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tcttcccagt ccaccgtccc catcgtgggc attgttgctg gcctggctgt cctagcagtt 960
gtggtcatcg gagctgtggt cgctgctgtg atgtgtagga ggaagagctc aggtgga 1017

<210> 1192
<211> 1017
<212> DNA
<213> Homo sapiens

<400> 1192
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tcttcccagt ccaccgtccc catcgtgggc attgttgctg gcctggctgt cctagcagtt 960
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<210> 1193
<211> 526
<212> DNA
<213> Homo sapiens

<400> 1193
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cgggcgccgt ggatagagca ggaggggccc gagtattggg accggaacac acagatcttc 180
aagaccaaca cacagactta ccgagagaac ctgaggatcg cgctccgcta ctacaaccag 240
agcgaggccg ggtctcacac cctccagagc atgtacggct gcgacgtggg gccggacggg 300
cgctcctcc gcgggcataa ccagtagccc tacgacggca aggattacat cgccctgaac 360

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gaggcgggccc gtgtggcgga gcaggacaga gcctacctgg agggcacgtg cgtggagtgg	480
ctccgcagat acctggagaa cggaaggac acgctggagc gcgcgg	526

<210> 1194
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatctcc aagaccaaca cacagactga ccgagagagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcaggacaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa cggaaggac acgctggagc	540
gcgcgg	546

<210> 1195
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg	180
accggaacac acagaccttc aagaccaaca cacagactga ccgagagagc ctgcggaacc	240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcaggacaga gcctacctgg	480
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gcgcgg	546

<210> 1196

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<211> 546
 <212> DNA
 <213> Homo sapiens

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 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
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 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac acgctggagc 540
 gcgcgg 546

<210> 1197
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1197
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 cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactga ccgagagagc ctgcggaacc 240
 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
 gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca 360
 aggattacat cgccctgaac gaggacctgc gctcctggac cgccgaggac accgcggctc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcaggacaga gcctacctgg 480
 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac acgctggagc 540
 gcgcgg 546

<210> 1198
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1198
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 gcttcatctc agtgggctac gtggacgaca cgcagttcgt gaggttcgac agcgacgccg 120

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accggaacac acagatcttc aagaccaaca cacagactga ccgagagagc ctgcggaacc	240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
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agatcaccca gcgcaagtgg gaggcgggcc gtgtggcgga gcaggacaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac acgctggagc	540
gcgcgg	546

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg	180
accgggacac acagatcttc aagaccaaca cacagactga ccgagagagc ctgcggaacc	240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggcc gtgtggcgga gcaggacaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac acgctggagc	540
gcgcgg	546

<210> 1200
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

<210> 1203

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<211> 546
 <212> DNA
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 <212> DNA
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agatcaccca gcgcaagtgg gaggcgggcc gtgtggcgga gcaggacaga gcctacctgg	480
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 <212> DNA
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tccagaagtg ggcagctgtg gtggtgcctt ctggagaaga gcagagatac acatgccatg	780
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 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 1210
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cgcggggagc cccgcttcat caccgtgggc tacgtggacg acaccagtt cgtgaggttc	180
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<212> DNA
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<210> 1217
<211> 1017
<212> DNA
<213> Homo sapiens

<400> 1217
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 <212> DNA
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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gaatattggg	180
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<210> 1220
 <211> 619
 <212> DNA
 <213> Homo sapiens

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<210> 1221
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1221	
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<210> 1222
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1222
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gcgcgg 546

<210> 1223
<211> 1017
<212> DNA
<213> Homo sapiens

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cgcggggagc cccgcttcat cgcagtgggc tacgtggacg acaccagtt cgtgaggttc 180
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<210> 1224
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca	360
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gcgcgg	546

<210> 1225
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1225	
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gcgcgg	546

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<210> 1226
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1227
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gtggtcatcg gagctgtggt cgctactgtg atgtgtagga ggaagagctc aggtgga	1017

<210> 1228
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 1230
 <211> 945
 <212> DNA
 <213> Homo sapiens

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 <211> 945
 <212> DNA
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 gaccgggaga cacagatctc caagaccaac acacagactt accgagagag cctgcggaac 240
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 gctgtggtcg ctactgtgat gtgtaggagg aagagctcag gtgga 945

<210> 1232
 <211> 945
 <212> DNA
 <213> Homo sapiens

<400> 1232
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 <212> DNA
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 <212> DNA
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 <212> DNA
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 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<210> 1252
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 <212> DNA
 <213> Homo sapiens

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<210> 1253
<211> 895
<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1255
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 1256

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 <211> 546
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 546
 <212> DNA
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 <212> DNA
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 agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagtggaga gcctacctgg 480
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<210> 1263
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 <212> DNA
 <213> Homo sapiens

<400> 1263

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gatggcgccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 gacacggcgg ctcatgac ccagcgcaag tgggaggcgg ccggtgaggc ggagcagtgg 540
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gcgcgg 546

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<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1272
<211> 546
<212> DNA
<213> Homo sapiens

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
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agatcaccca	gcgcaagtgg gaggcggtcc gtgaggcgga gcagtggaga gcctacctgg 480
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 1276
<211> 619
<212> DNA
<213> Homo sapiens

<400> 1276
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gagacgctgc agcgcgcgg 619

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 <213> Homo sapiens

<400> 1278
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<210> 1282
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca	360
aggattacat cgccctgaac gaggacctga gctcctggac cgcggcggac acggcggtc	420
agatcaccca gcgcaagtgg gaggcgccc gtgaggcgga gcagtggaga gcctacctgg	480

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<210> 1283
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1283
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gcgcgg 546

<210> 1284
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1284
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accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240
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gcgcgg 546

<210> 1285
<211> 546
<212> DNA
<213> Homo sapiens

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<400> 1285
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gcgcgg 546

<210> 1286
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1286
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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
accggaacac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240
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gcgcgg 546

<210> 1287
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1287
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cgagtccgag gatggcgccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
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tgcgcggtta ctacaaccag agcgaggccg ggtctcacac cctccagagg atgtacggct	300
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<210> 1288
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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tggcagcggg atggcgagga ccaaactcag gacaccgagc ttgtggagac cagaccagca	780
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tcttcccagt ccaccatccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1289
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1289	
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agatcaccca gcacaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1290
 <211> 822
 <212> DNA
 <213> Homo sapiens

<400> 1290	
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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggagggggccg gagtattggg	180
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gcgaggacca aactcaggac accgagcttg tggagaccag accagcagga gatagaacct	720
tccagaagtg ggcagctgtg gtggtgcctt ctggagaaga gcagagatac acatgccatg	780
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<210> 1291
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1291	
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gcttcatctc agtgggctac gtggacgaca cgcagttcgt gaggttcgac agcgacgccg	120

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cgagtccgag agaggagccg cgggcccgt ggatagagca ggaggggccc gagtattggg	180
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gcgcgg	546

<210> 1292
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gatggcgccc cgggcccatt ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactga ccgagagagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagg atgtacggct	300
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 <211> 822
 <212> DNA
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cgagtccgag gatggcgccc cgggcccatt ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagg atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca	360

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gcgaggacca aactcaggac accgagcttg tggagaccag accagcagga gatagaacct	720
tccagaagtg ggcagctgtg gtggtgcctt ctggagaaga gcagagatac acatgccatg	780
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<210> 1294
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 <212> DNA
 <213> Homo sapiens

<400> 1294	
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 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

<210> 1296
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1297
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

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<210> 1299
 <211> 546
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accggaacac acagatctcc aagaccaaca cacagactta cagagagagc ctgcggaacc	240
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gcgcgg	546

<210> 1300
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA
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<210> 1303
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<400> 1303
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gcgcgg 546

<210> 1304
<211> 1017
<212> DNA
<213> Homo sapiens

<400> 1304
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cgcggggagc cccgcttcat ctcagtgggc tacgtggacg gcacccagtt cgtgaggttc 180
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<210> 1305
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca 360
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<210> 1306
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 cgagtccgag gacggagccc cgggcgccgt ggatagagca agaggggccg gagtattggg 180
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 agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
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 gcgcgg 546

<210> 1307
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1307
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<210> 1308
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccgt ggatagagca agaggggccg gagtattggg	180
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<210> 1309
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccgt ggatagagca agaggggccg gagtattggg	180
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gcgcgg	546

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 <211> 546
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cgagtccgag gacggagccc cgggcgccgt ggatagagca agaggggccg gagtattggg	180
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gcgcgg	546

<210> 1311
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

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<210> 1312
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 gcgcgg 546

<210> 1313
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1314
 <211> 546
 <212> DNA
 <213> Homo sapiens

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ccggagtatt gggaccggga gacacagatc tgcaaggcca aggcacagac tgaccgagag	300
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 <212> DNA
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 cgcggggagc cccgcttcat caccgtgggc tacgtggacg acacgctgtt cgtgaggttc 180
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<210> 1325
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<212> DNA
<213> Homo sapiens

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gacctgcgga ccctgctccg ctactacaac cagagcgagg ccgggtctca cacttggcag	360
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<210> 1333
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 <213> Homo sapiens

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gcgcgg	546

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<210> 1334
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1334
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 gcgcgg 546

<210> 1335
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1335
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<210> 1336
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 1336
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gacacggcgg ctcagatcac ccagcgcaag tgggaggcgg cccgtgaggc ggagcagctg	540
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 <212> DNA
 <213> Homo sapiens

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<210> 1338
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

<210> 1339
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1340
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1340	
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gcgcgg	546

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<210> 1341
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1341
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 cgagtccgag agaggagccg cgggcccgtt ggatagagca ggaggggccc gagtattggg 180
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 agatctccca gcgcaagtgg gaggcggccc gtgaggcgga gcagtggaga gcctacctgg 480
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 gcgcgg 546

<210> 1342
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1342
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 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagtggaga gcctacctgg 480
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 gcgcgg 546

<210> 1343
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1343
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<210> 1344
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1344						
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<210> 1345
 <211> 1017

<212> DNA
 <213> Homo sapiens

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<210> 1346
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1348
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<400> 1348

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<210> 1349

<211> 1017

<212> DNA

<213> Homo sapiens

<400> 1349

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accggaacac acagatcttc aagaccaaca cacagactta ccgagagagc ctgcggaacc    240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct    300
gcgacgtggg gcccgacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca    360
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<211> 546

<212> DNA

<213> Homo sapiens

<400> 1367

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gcgacctggg gcccgcggg cgctctctcc gcgggcatga ccagtccgcc tacgacggca	360
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 <212> DNA
 <213> Homo sapiens

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agatcaccca gcgcaagtgg gaggcgggcc gtgtggcgga gcagctgaga gcctacctgg	480
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<212> DNA
<213> Homo sapiens

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cgagtccgag agaggagccc cgggcgccat ggatagagca ggaggggccg gaatattggg 180
accggaacac acagatctgc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240
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gcgcgg 546

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<212> DNA
<213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagAAC ctgcggaacc 240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct 300
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agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
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gcgcgg 546

<210> 1372
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<212> DNA

<213> Homo sapiens

<400> 1372

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cgcggggagc	cccgtttcat	cgcagtgggc	tacgtggacg	acaccagtt	cgtgaggttc	180
gacagcgacg	ccgcgagtcc	gaggacggag	ccccgggcgc	catggataga	gcaggagggg	240
ccggagtatt	gggaccggga	gacacagatc	tccaagacca	acacacagac	ttaccgagag	300
agcctgcgga	acctgcgcgg	ctactacaac	cagagcgagg	ccgggtctca	catcatccag	360
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gcctacgacg	gcaaggatta	catcgccctg	aacgaggacc	tgagctcctg	gaccgcggcg	480
gacaccgcgg	ctcagatcac	ccagcgcaag	tgggaggcgg	cccgtgtggc	ggagcagctg	540
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<210> 1373

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1373

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cgagtccgag	gacggagccc	cgggcgccat	ggatagagca	ggaggggccc	gagtattggg	180
accggaacac	acagatcttc	aagaccaaca	cacagactga	ccgagagagc	ctgcggaacc	240
tgcgcggtta	ctacaaccag	agcgaggccg	ggtctcacat	catccagagg	atgtatggct	300
gcgacctggg	gcccgcggg	cgctctctcc	gcgggcacga	ccagtccgcc	tacgacggca	360
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agatcaccca	gcgcaagtgg	gaggcggccc	gtgtggcgga	gcagctgaga	gcctacctgg	480
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<210> 1374

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1374

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tgcggggcta ctacaaccag agcgaggccg ggtctcacat catccagagc atgtacggct	300
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gcgcgg	546

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tcttcccagt ccaccgtccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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 <213> Homo sapiens

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<211> 564
<212> DNA
<213> Homo sapiens

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<210> 1378
<211> 546
<212> DNA
<213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240

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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcagctgaga acctacctgg	480
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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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 <212> DNA
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 <212> DNA
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912

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 <212> DNA
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 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<210> 1389
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 <212> DNA
 <213> Homo sapiens

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<210> 1391
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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gagacgctgc agcgcgcgg	619

<210> 1393
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<210> 1395
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 <212> DNA
 <213> Homo sapiens

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<210> 1396
<211> 546
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <211> 546
 <212> DNA
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<210> 1416
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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catgaggcca	ccctgaggtg ctgggccctg ggcttctacc ctgcggagat cacactgacc 720
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<210> 1417
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 <212> DNA
 <213> Homo sapiens

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<210> 1418
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1419
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1420
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1421
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<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1422
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<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1423
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<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

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 <212> DNA
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gcgcgg	546

<210> 1427
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <211> 546

<212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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<210> 1431
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 1432

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1438
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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 ccggagtatt gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag 300
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 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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<210> 1446
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 <212> DNA
 <213> Homo sapiens

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<210> 1448
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 <212> DNA

<213> Homo sapiens

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<211> 546

<212> DNA

<213> Homo sapiens

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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagcggaga gcctacctgg	480
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<210> 1450

<211> 619

<212> DNA

<213> Homo sapiens

<400> 1450

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cgcggggagc cccgcttcat caccgtgggc tacgtggacg acacgtgtt cgtgaggttc	180

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gacagcgacg ccacgagtcc gaggaaggag ccgcgggccc catggataga gcaggagggg	240
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agcctgcgga acctgcgcgg ctactacaac cagagcgagg ccgggtctca caccctccag	360
agcatgtacg gctgcgacgt ggggccggac gggcgccctc tccgcgggca taaccagtac	420
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gacacggcgg ctcatatcac ccagcgcaag tgggaggcgg cccgtgaggc ggagcagcgg	540
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 <212> DNA
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc	240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1452
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1452 gctccactc catgaggtat ttccacacct ccgtgtcccg gcccggccgc ggggagcccc	60
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactta ccgagagAAC ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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gcgcgg	546

<210> 1453
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 1453	
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gagacctggg ctggctcca ctccatgagg tatttcaca cctccgtgtc ccggccggc	120
cgcggggagc cccgcttcat caccgtgggc tacgtggacg acacgctgtt cgtgaggttc	180
gacagcgacg ccacgagtcc gaggaaggag ccgcgggcgc catggataga gcaggagggg	240
ccggagtatt gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag	300
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gcctacgacg gcaaggatta catcgccctg aacgaggacc tgcgctcctg gaccgccgcg	480
gacacggcgg ctcatcac ccagcgcaag tgggaggcgg cccgtgtggc ggagcagctg	540
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gagacgctgc agcgcgcg	619

<210> 1454
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1454	
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cgagtccgag gatggcggc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagg atgtacggct	300
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aggattacat cgccctgaac gaggacctgc gctcctggac cgccgcggac acggcggtc	420
agatctcca gcgcaagttg gagggcgccc gtgtggcgga gcagctgaga gcctacctgg	480
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gcgctg	546

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<210> 1455
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 1455
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 cgcggggagc cccgcttcat caccgtgggc tacgtggacg acacgctgtt cgtgaggttc 180
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 gacacggcgg ctcagatctc ccagcgcaag tgggaggcgg cccgtgaggc ggagcagcgg 540
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 gacaagctgg agcgcgctg 619

<210> 1456
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1456
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 cgagtccgag gaaggagccg cgggcgccat ggatagagca ggagggggccg gagtattggg 180
 accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240
 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
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 agatcaccca gcgcaagtgg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg 480
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 gcgcgg 546

<210> 1457
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1457

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
aggattacat cgccctgaac gaggacctgc gctcctggac cgccgaggac acggcggctc	420
agatctccca gcgcaagttg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg	480
agggcgagtg cgtggagtggt ctccgcagat acctggagaa cgggaaggac aagctggagc	540
gcgctg	546

<210> 1458
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1458	
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtggt gaggcggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtggt ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1459
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1459	
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gcttcatcac cgtgggctac gtggacgaca cgctgttcgt gaggttcgac agcgacgcca	120
cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc	240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagaacgcc tacgacggca	360
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gcgcgg	546

<210> 1460
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1460	
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagctgaga gcctacctg	480
agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1461
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1461	
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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agatcaccca gcgcaagtgg gaggcgggcc gtgtggcgga gcagctgaga gcctacctg	480
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gcgcgg

546

<210> 1462
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1462
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 cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240
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 agatctccca gcgcaagttg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
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 gcgctg 546

<210> 1463
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1463
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 accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc 240
 tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct 300
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 <213> Homo sapiens

<400> 1464

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<210> 1465
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1466
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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<210> 1468
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgctg

546

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 gcgcgg 546

<210> 1470
 <211> 546
 <212> DNA
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 cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg 180
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<210> 1472
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
accgggagac acagatctcc aagaccaaca cacagactta ccgagagagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagagc atgtacggct	300
gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agggcgagtg cgtggagtggt ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1473
 <211> 546
 <212> DNA

<213> Homo sapiens

<400> 1473

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg    180
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aggattacat cgccctgaac gaggacctgc gctcctggac cgccgaggac acggcggctc    420
agatctccca gcgcaagttg gaggcggccc gtgtggcgga gcagctgaga gcctacctgg    480
agggcgagtg cgtggagtgg ctccgcagat acctggagaa cgggaaggac aagctggagc    540
gcgctg                                         546

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<210> 1474

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1474

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg    180
accgggagac acagatctcc aagaccaaca cacagactga ccgagagagc ctgcggaacc    240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca    360
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<210> 1475

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1475

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gcgcgg	546

<210> 1476
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1476	
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tcttcccagt ccaccgtccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1477
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1477	
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<210> 1478
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1478
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 agatcaccca gcgcaagtgg gagggcgccc gtgtggcgga gcaggacaga gcctacctgg 480
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 gcgcgg 546

<210> 1479
 <211> 546

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<212> DNA
<213> Homo sapiens

<400> 1479
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gcgcgg 546

<210> 1480
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1480
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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccg gagtattggg 180
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agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcaggacaga gcctacctgg 480
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gcgcgg 546

<210> 1481
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1481
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gcttcatcac cgtgggctac gtggacgaca cgctgttcgt gaggttcgac agcgacgcca 120
cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccg gagtattggg 180

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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agggcacgtg cgtggagtgg ctccgcagat acctggagaa cggaaggac acgctgcagc	540
gcgcgg	546

<210> 1482
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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cgcggggagc cccgcttcat ctcagtgggc tacgtggacg acaccagtt cgtgaggttc	180
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ccggagtatt gggaccggaa cacacagatc tacaaggccc aggcacagac tgaccgagag	300
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tcttcccagt ccaccgtccc catcggtggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1483
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 1483

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gagggcacgt gcgtggagtg gctccgcaga tacctggaga acgggaagga cacgctggag	540
cgcgcg	547

<210> 1484
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

<210> 1485
 <211> 1052
 <212> DNA
 <213> Homo sapiens

<400> 1485	
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<210> 1486
<211> 822
<212> DNA
<213> Homo sapiens

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<400> 1486
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<210> 1487
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1488
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1488
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ccggagtatt	gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag 300
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 <212> DNA
 <213> Homo sapiens

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cgcggggagc	cccgtttcat caccgtgggc tacgtggacg acacgctggt cgtgagggttc 180
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ccggagtatt	gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag 300
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 <212> DNA
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ggcgggccgt gtggcgagc aggacagagc ctacctggag ggcctgtgcg tggagtcgct	360
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<210> 1492
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 <212> DNA
 <213> Homo sapiens

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gacagcgacg ccgcgagtcc gaggacggag ccccgggcgc catggataga gcaggagggg	240
ccggagtatt gggaccggaa cacacagatc ttcaagacca acacacagac ttaccgagag	300
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<210> 1493
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 <212> DNA
 <213> Homo sapiens

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gtggtcatcg gagctgtggt cgctgctgtg atgtgtagga ggaagagctc aggtgga	1017

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agggcctgtg cgtggagtcg ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1498

<211> 546
 <212> DNA
 <213> Homo sapiens

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 accggaacac acagatctcc aagaccaaca cacagactta ccgagagaac ctgcgaccg 240
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 gcgcgg 546

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 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<210> 1501
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1502
<211> 546
<212> DNA
<213> Homo sapiens

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccg gagtattggg 180
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<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1504
<211> 619
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cgcggggagc cccgcttcat caccgtgggc tacgtggacg acacgctgtt cgtgaggttc 180
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gcgcgg 546

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<212> DNA
<213> Homo sapiens

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<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1509
<211> 546
<212> DNA

<213> Homo sapiens

<400> 1509

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<210> 1510

<211> 546

<212> DNA

<213> Homo sapiens

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<210> 1511

<211> 822

<212> DNA

<213> Homo sapiens

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 <211> 546
 <212> DNA
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 <211> 546
 <212> DNA
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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gcgcgg						546

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<210> 1531
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<212> DNA
 <213> Homo sapiens

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 gcgacgtggg gccggacggg gcctcctcc gcgggcataa ccagtacgcc tacgacggca 360
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546

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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619

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<210> 1541
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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cgcggggagc cccgcttcat caccgtgggc tacgtggacg acacgctgtt cgtgaggttc	180
gacagcgacg ccacgagtcc gaggaaggag ccgcgggCGc catggataga gcaggagggg	240
ccggaggtatt gggaccggga gacacagatc tccaagacca acacacagac ttaccgagag	300
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aggatgtatg gctgcgacct ggggcccGac gggcgcctcc tccgCGgta taaccagtta	420
gcctacgacg gcaaggatta catcGCCctg aacgaggacc tgagctcctg gaccgCGcg	480
gacaccgCG ctcagatcac ccagcgcaag tgggaggCGg cccgtgaggc ggagcagctg	540
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<210> 1542
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gaaggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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tgcgcggcta ctacaaccag agcgaggccg ggtctcacac ttggcagagg atgtacggct	300
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agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1543
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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cgcggggagc cccgcttcat tgcagtgggc tacgtggacg acaccagtt cgtgaggttc	180
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ccggagtatt gggaccgga cacacagatc ttcaagacca acacacagac ttaccgagag	300
aacctgcgga tcgcgctccg ctactacaac cagagcgagg ccgggtctca cacttggcag	360
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tacacatgcc atgtacagca tgaggggctg ccgaagcccc tcacctgag atgggagcca	900
tcttcccagt ccaccatccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1544
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<400> 1544
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gacagcgacg ccgcgagtcc gaggacggag ccccgggcgc catggataga gcaggagggg 240
ccggagtatt gggaccggaa cacacagatc ttcaagacca acacacagac ttaccgagag 300
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gacaccgcgg ctcagatcac ccagcgcaag tgggaggcgg cccgtgaggc ggagcagctg 540
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<211> 546
<212> DNA
<213> Homo sapiens

<400> 1545
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cgagtccgag gacggagccc cgggcgccgt ggatagagca ggaggggccg gagtattggg 180
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gcgcgg 546

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<210> 1546
<211> 546
<212> DNA
<213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggagggggccg gagtattggg 180
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca 360
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<210> 1547
<211> 1012
<212> DNA
<213> Homo sapiens

<400> 1547
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gagacctggg cgggctccca ctccatgagg tatttctaca ccgccatgtc ccggccccggc 120
cgcggggagc cccgcttcat tgcagtgggc tacgtggacg acaccagtt cgtgaggttc 180
gacagcgacg ccgcgagtcg gaggacggag ccccgggcgc catggataga gcaggagggg 240
ccggagtatt gggaccggaa cacacagatc ttcaagacca acacacagac ttaccgagag 300
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<210> 1548
<211> 1017
<212> DNA
<213> Homo sapiens

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gagacctggg ccggctccca ctccatgagg tattttctaca ccgcatgtc ccggcccggc 120
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tcttcccagt ccaccatccc catcgtgggc attgttgctg gcctggctgt cctagcagtt 960
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<210> 1549
<211> 1017
<212> DNA
<213> Homo sapiens

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gagacctggg ccggctccca ctccatgagg tattttctaca ccgcatgtc ccggcccggc 120
cgcggggagc ccgccttcat cgcagtgggc tacgtggacg acaccagtt cgtgaggttc 180
gacagcgacg ccgcgagtcg gaggacggag ccccgggcgc catggataga gcaggagggg 240
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gcctacgacg gcaaagatta catcgccctg aacgaggacc tgagctcctg gaccgcggcg	480
gacaccgcgg ctcagatcac ccagcgcaag tgggaggcg cccgtgaggc ggagcagctg	540
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tggcagcggg atggcgagga ccaaactcag gacactgagc ttgtggagac cagaccagca	780
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tacacatgcc atgtacagca tgaggggctg ccgaagcccc tcaccctgag atgggagcca	900
tcttcccagt ccaccatccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1550
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 <212> DNA
 <213> Homo sapiens

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cgcggggagc cccgcttcat tgcagtgggc tacgtggacg acaccagtt cgtgaggttc	180
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ccggagtatt gggaccggaa cacacagatc ttcaagacca acacacagac ttaccgagag	300
aacctgcgga tcgcgctccg ctactacaac cagagcgagg ccgggtctca cacttggcag	360
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gacaccgcgg ctcagatcac ccagcgcaag tgggaggcg cccgtgaggc ggagcagctg	540
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tacacatgcc atgtacagca tgaggggctg ccgaagcccc tcaccctgag atgggagcca	900
tcttcccagt ccaccatccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960

gtggtcatcg gagctgtggt cgctactgtg atgtgtagga ggaagagctc aggtgga 1017

<210> 1551
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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 cgcggggagc cccgcttcat tgcagtgggc tacgtggacg acaccagtt cgtgaggttc 180
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 ccggagtatt gggaccgga cacacagatc ttcaagacca acacacagac ttaccgagag 300
 aacctgcgga tcgcgctccg ctactacaac cagagcgagg ccgggtctca catcatccag 360
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 gcctacgacg gcaaagatta catcgccctg aacgaggacc tgagctcctg gaccgcggcg 480
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<210> 1552
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 <212> DNA
 <213> Homo sapiens

<400> 1552
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
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 gcgacgtggg gccggacggg cgctcctcc gcgggcataa ccagtacgcc tacgacggca 360
 aagattacat cgccctgaac gaggacctga gctcctggac cgcgggcgac accgcggctc 420

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agggcctgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
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tgaggtgctg ggccctgggc ttctaccctg cggagatcac actgacctgg cagcgggatg	660
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tccagaagtg ggcagctgtg gtgggtgcctt ctggagaaga gcagagatac acatgccatg	780
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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<210> 1554
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcttcattgc agtgggctac gtggacgaca cccagttcgt gaggttcgac agcgacgccg	120
cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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gcgcgg	546

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 <212> DNA
 <213> Homo sapiens

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ggagatagaa cttccagaa gtgggcagct gtggtggtgc cttctggaga agagcagaga	840
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tcttcccagt ccaccatccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1556
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgcat ggatagagca ggaggggccc gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1557
 <211> 677
 <212> DNA
 <213> Homo sapiens

<400> 1557 tacaccgcca tgtcccggcc cggccgcggg gagccccgct tcattgcagt gggctacgtg	60
gacgacaccc agttcgtgag gttcgacagc gacgccgcga gtccgaggac ggagccccgg	120
gcgccatgga tagagcagga ggggcccggag tattgggacc ggaacacaca gatcttcaag	180
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gaggccgggt ctcacacttg gcagacgatg tatggctgcg acgtggggcc ggacgggcgc	300
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gagcttgtgg agaccag	677

<210> 1558
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1558 gctcccactc catgaggtat ttctacaccg ccatgtcccg gcccggccgc ggggagcccc	60
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cgagtccgag gacggagccc cgggcgccat ggatagagca ggagggggccg gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
cgctccgga ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1559
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagttcgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1560
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1560	
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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagttcgcc tacgacggca	360
aagattacat cgccctgaac gaggacctga gctcctggac cgcggcggac accgcggctc	420
agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1561
 <211> 546

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<212> DNA
<213> Homo sapiens

<400> 1561
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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa acagtacgcc tacgacggca 360
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agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagctgaga gcctacctgg 480
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gcgcgg 546

<210> 1562
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1562
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gcttcatcgc agtgggctac gtggacgaca cccagttcgt gaggttcgac agcgacgccg 120
cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
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cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
gcgacctggg gccggacggg cgcctcctcc gcgggcataa ccagttagcc tacgacggca 360
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agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagctgaga gcctacctgg 480
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gcgcgg 546

<210> 1563
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1563
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gcttcattgc agtgggctac gtggacgaca cccagttcgt gaggttcgac agcgacgccg 120
cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180

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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
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<210> 1564
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 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgcat ggatagagca ggaggggccc gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgtctcctcc gcggttataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtg ctccgcagac acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1565
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1565	
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gcttcattgc agtgggctac gtggacgaca ccagttcgt gaggttcgac agcgacgccg	120
cgagtccgag gacggagccc cgggcgcat ggatagagca ggaggggccc gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgcctcctcc ccgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1566
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcagctgaga acctacctgg	480
agggcctgtg cgtggagtgg ctccgcagac acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1567
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1567	
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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
accggaacac acagatcttc aagaccaaca cacagactga ccgagagaac ctgcggatcg	240
cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcaggacaga gcctacctgg	480
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gcgcgg	546

<210> 1568
 <211> 546

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<212> DNA
 <213> Homo sapiens

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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
 accggaacac acagatcttc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
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 aagattacat cgccctgaac gaggacctga gctcctggac cgcggcggac accgcggctc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcacgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 1569
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1569
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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180
 accggaacac acagatctgc aagaccaaca cacagactta ccgagagaac ctgcggatcg 240
 cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
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 aagattacat cgccctgaac gaggacctga gctcctggac cgcggcggac accgcggctc 420
 agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagctgaga gcctacctgg 480
 agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc 540
 gcgcgg 546

<210> 1570
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1570
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 gcttcattgc agtgggctac gtggacgaca cccagttcgt gaggttcgac agcgacgccg 120
 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg 180

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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1571
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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cgctccgcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtcg ctccgcagac acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1572
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagacc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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<210> 1573
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccc gagtattggg 180
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<210> 1574
 <211> 822
 <212> DNA
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 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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tccagaagtg ggcagctgtg gtggtgcctt ctggagaaga gcagagatac acatgccatg	780
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 <212> DNA
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gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca	360
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<212> DNA
<213> Homo sapiens

<400> 1577
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<211> 546
<212> DNA
<213> Homo sapiens

<400> 1578
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gcgcgg

546

<210> 1579
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1579
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 agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg 480
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<210> 1580
 <211> 1017
 <212> DNA
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<210> 1581
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 <212> DNA
 <213> Homo sapiens

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gccctgaacg aggacctgag ctcttgacc gcggcggaaca ccgcggtca gatcaccag	480
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<210> 1582
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccg cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgcgg	546

<210> 1583
 <211> 546
 <212> DNA
 <213> Homo sapiens

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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1584
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1584	
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cgagtccgag gatggcgccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
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gcgcgg 546

<210> 1585
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1585
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gcgcgg 546

<210> 1586
<211> 1012
<212> DNA
<213> Homo sapiens

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 <212> DNA
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gcgcgg	546

<210> 1588
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1590
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
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gcgcgg 546

<210> 1591
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1592
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1592
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gcgcgg 546

<210> 1593
<211> 546
<212> DNA

<213> Homo sapiens

<400> 1593

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<210> 1594

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1594

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<210> 1595

<211> 546

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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gcagctgaga	gcctacctgg
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gcgcgg	
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 <212> DNA
 <213> Homo sapiens

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acacgcagtt	cgtgaggttc
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 <212> DNA
 <213> Homo sapiens

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 <211> 546
 <212> DNA
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<210> 1602
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1602
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<210> 1603
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1603

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 <212> DNA
 <213> Homo sapiens

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gcgcgg	546

<210> 1605

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<211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1606
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 <212> DNA
 <213> Homo sapiens

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<210> 1607
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 1618
<211> 546
<212> DNA
<213> Homo sapiens

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<210> 1619
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 <212> DNA
 <213> Homo sapiens

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<210> 1621
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<212> DNA
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 <212> DNA
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tcttcccaat ccaccgtccc catcgtgggc attgttgctg gcctggctgt cctagcagtt	960
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<210> 1629
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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cgagtccgag gatggcgccc cgggcgccat ggatagagca ggaggggccc gagtattggg	180
acggggagac acggaacatg aaggcctccg cgcagactta ccgagagAAC ctgcggatcg	240
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gcgacgtggg gccggacggg cgcctcctcc gcgggcatga ccagtccgcc tacgacggca	360
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agatcaccca gcgcaagtgg gaggcgggccc gtgtggcgga gcagctgaga gcctacctgg	480
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<210> 1631
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1632
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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cgcggggagc cccgcttcat cgcagtgggc tacgtggacg acaccagtt cgtgaggttc	180
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ccggagtatt gggacgggga gacacggaac atgaaggcct ccgcgcagac ttaccgagag	300
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<210> 1633
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<210> 1634
 <211> 619
 <212> DNA
 <213> Homo sapiens

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<400> 1634
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agagcctacc tggagggcct gtgctggag tggctccgca gatacctgga gaacgggaag 600
gagacgctgc agcgcgcg 619

<210> 1635
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg 546

<210> 1636
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcgg	546

<210> 1637
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag gacggagccc cgggcgccat ggatagagca ggaggggccg gagtattggg	180
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gcgcgg	546

<210> 1638
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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cgcggggagc cccgcttcat cgcagtgggc tacgtggacg acacgcagtt cgtgaggttc	180
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<210> 1639
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 <212> DNA
 <213> Homo sapiens

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<210> 1640
 <211> 541

<212> DNA
 <213> Homo sapiens

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<210> 1641
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 <212> DNA
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<210> 1642
 <211> 1020
 <212> DNA
 <213> Homo sapiens

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<210> 1643
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<210> 1645
<211> 546
<212> DNA
<213> Homo sapiens

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tgcgcggcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct 300
gcgacgtggg gccggacggg cgcctcctcc gcgggcataa ccagtacgcc tacgacggca 360
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg 480
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gcgcgg 546

<210> 1646
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1646
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gcgcgg 546

<210> 1647
<211> 822
<212> DNA
<213> Homo sapiens

<400> 1647
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gcttcacgc agtgggctac gtggacgaca cccagttcgt gaggttcgac agcgacgccg 120

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tgcgcggcta ctacaaccag agcgaggccg ggtctcacac ttggcagacg atgtatggct	300
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<210> 1648
 <211> 546
 <212> DNA
 <213> Homo sapiens

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agggcctgtg cgtggagtgg ctccgcagac acctggagaa cgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1649
 <211> 1017
 <212> DNA
 <213> Homo sapiens

<400> 1649	
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ccggagtatt gggaccggaa cacacagatc tacaaggccc aggcacagac tgaccgagag	300
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gcctacgacg gcaaggatta catcgccctg aacgaggacc tgcgctcctg gaccgccgag	480
gacacggcgg ctcaatcttc ccagcgcaag ttggaggcgg cccgtgtggc ggagcagctg	540
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<210> 1650
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag agaggagccg cgggcgccgt ggatagagca ggaggggccc gagtattggg	180
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gcgcgg	546

<210> 1651
 <211> 1017
 <212> DNA
 <213> Homo sapiens

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<400> 1651
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<210> 1652
<211> 620
<212> DNA
<213> Homo sapiens

<400> 1652
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gagacgctgc agcgcgcggb 620

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<210> 1653
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1653
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 catgaggcca ccctgaggtg ctgggccctg ggcttctacc ctgcggagat cactctgacc 720
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 tcttcccagc ccaccatccc catcgtgggc atcgttgctg gcctggctgt cctggctgtc 960
 ctagctgtcc taggagctgt ggtggctgtt gtgatgtgta ggaggaagag ctcaagtgga 1020
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 ctcatcgctt gtaa 1094

<210> 1654
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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 gagacctggg cctgctccca ctccatgaag tattttcttca catccgtgtc ccggcctggc 120
 cgcgagagag cccgcttcat ctcaagtggc tacgtggacg acacgcagtt cgtgcggttc 180
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 <212> DNA
 <213> Homo sapiens

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cgcgagagac cccgcttcat ctcagtgggc tacgtggacg acacgcagtt cgtgcgggtc	180
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ctagctgtcc taggagctgt gatggctgtt gtgatgtgta ggaggaagag ctcaggtgga	1020
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ctcatcgctt gtaa	1094

<210> 1656
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1656	
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gcgcgg	546

<210> 1657
 <211> 546
 <212> DNA
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aggattacat cgccctgaac gaggacctgc gtcctggac cgccgcggac accgcggctc	420
agatcaccca gcgcaagtgg gaggcgcccc gtgtggcgga gcagcggaga gcctacctgg	480
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gcgcgg	546

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<210> 1658
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1658
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 cgagtccgag aggggagccg cgggcccgt ggggtggagca ggaggggccc gagtattggg 180
 accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaacc 240
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 gcgacctggg gcccgcggg cgcctcctcc gcaggtatga ccagtacgcc tacgacggca 360
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 agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagcggaga gcctacctgg 480
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 gcgcgg 546

<210> 1659
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1659
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 gcgcgg 546

<210> 1660
 <211> 546
 <212> DNA
 <213> Homo sapiens

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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagtggaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1661
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1661 atgcgggtca tggcgccccg aaccctcctc ctgctgctct cgggagccct ggcctgacc	60
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cgcgagagac cccacttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc	180
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ctcatcgctt gtaa	1094

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<210> 1662
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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 cgcgagagag cccacttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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 ctcatcgctt gtaa 1094

<210> 1663
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1663
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 cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg 180
 accgggagac acagaagtac aagcgccagg cacagactga ccgagtgaac ctgcggaaac 240
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agatcaccca gcgcaagtgg gaggcggccc gtgaggcgga gcagtggaga gcctacctgg	480
agggcgagtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1664
 <211> 1015
 <212> DNA
 <213> Homo sapiens

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gacagcgacg ccgcgagtcc aagaggggag ccgcggggcg cgtgggtgga gcaggagggg	240
ccggagtatt gggaccggga gacacagaag tacaagcgcc aggcacagac tgaccgagtg	300
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<210> 1665
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1665 gctccactc catgaggtat ttctacaccg ctgtgtcccg gccagccgc ggagagcccc	60
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gcgcgg						546

<210> 1666
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1666	
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gcggttcgac	agcgacgccg
	120
cgagtccaag	aggggagccg
cgggcgccgt	gggtggagca
ggaggggccc	gagtattggg
	180
accgggagac	acagaagtac
aagcgccagg	cacagactga
ccgagtgaac	ctgcggaaac
	240
tgcgcggtta	ctacaaccag
agcgaggccg	ggctctcacac
cctccagagg	atgtacggct
	300
gcgacctggg	gcccgcagg
cgctctctcc	gcgggtatga
ccagtccgcc	tacgacggca
	360
aggattacat	cgccctgaac
gaggacctgc	gctcctggac
cgccgcggac	acagcggttc
	420
agatcaccca	gcgcaagtgg
gaggcgggcc	gtgtggcgga
gcagctgaga	gcctacctgg
	480
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ctccgcagat	acctggagaa
cggaaggag	acgctgcagc
	540
gcgcgg	
	546

<210> 1667
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1667	
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ttctacaccg	ctgtgtcccg
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gcggttcgac	agcgacgccg
	120
cgagtccaag	aggggagccg
cgggcgccgt	gggtggagca
ggaggggccc	gagtattggg
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aagcgccagg	cacagactga
ccgagtgaac	ctgcggaaac
	240
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agcgaggccg	ggctctcacac
cctccagagg	atgtacggct
	300
gcgacctggg	gcccgcagg
cgctctctcc	gcgggtatga
ccagtccgcc	tacgacggca
	360
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gaggacctgc	gctcctggac
cgccgcggac	acagcggttc
	420

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agggcgagtg cgtggagtggt ctccgcagat acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1668
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1668	
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cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgaac ctgcggaaac	240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacac cctccagtgg atgtatggct	300
gcgacctggg gcccgcggg cgcctcctcc gcgggtatga ccagtccgcc tacgacggca	360
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gcgcgg	546

<210> 1669
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1669	
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agggcgagtg cgtggagtggt ctccgcagat acctggagaa cggaaggag acgctgcagc	540
gcgcgg	546

<210> 1670
 <211> 1094

<212> DNA
 <213> Homo sapiens

<400> 1670
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 cgcggggagc cccacttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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<210> 1671
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1671
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<210> 1672
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 <212> DNA
 <213> Homo sapiens

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<210> 1673
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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<210> 1674
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1674	
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gcgcgg	546

<210> 1675
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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catgaggcca ccctgaggtg ctgggcccctg ggcttctacc ctgcggagat cacactgacc	720
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ggagatggaa ccttccagaa gtgggcagct gtggtggtgc cttctggaga agagcagaga	840
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ctcatcgctt gtaa	1094

<210> 1676
 <211> 546

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<212> DNA
 <213> Homo sapiens

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 accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaacc 240
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 gcgacgtggg gcccgacggg cgcctcctcc gcgggtatga ccagtacgcc tacgacggca 360
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 <212> DNA
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<400> 1677
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 gcgcgg 546

<210> 1678
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1678
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<210> 1679
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgaac ctgcggaaac	240
tgcgcggtta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct	300
gcgacgtggg gcccgcggg cgcctcctcc gcgggtatga ccagtacgcc tacgacggca	360
aggattacat cgccctgaac gaggatctgc gtcctggac cgccgcggac acggcggtc	420
agatcaccca gcgcaagtgg gagggggccc gtgaggcgga gcagctgaga gcctacctgg	480
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gcgcgg	546

<210> 1680
 <211> 1015
 <212> DNA
 <213> Homo sapiens

<400> 1680	
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gagacctggg ccggctccca ctccatgagg tattttctaca ccgctgtgtc ccggccccgc	120
cgcggggagc ccacttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc	180
gacagcgacg ccgcgagtcc gagaggggag ccgcgggcgc cgtgggtgga gcaggagggg	240
ccggagtatt gggaccggga gacacagaac tacaagcgcc aggcacagac tgaccgagtg	300
agcctgcgga acctgcgcgg ctactacaac cagagcgagg ccgggtctca catcatccag	360
aggatgtatg gctgcgacgt ggggccccgac gggcgccctc tccgcgggta tgaccagtac	420

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agagcctacc tggagggcct gtgcgtggag tggctccgca gatacctgaa gaatgggaag	600
gagacgctgc agcgcgcgga acacccaaag acacacgtga cccaccatcc cgtctctgac	660
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ggagatggaa ccttccagaa gtgggcagct gtggtggtgc cttctggaga agagcagaga	840
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tcttcccagc ccaccatccc catcgtgggc atcgttgctg gcctggctgt cctggctgtc	960
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<210> 1681
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1681	
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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacat catccagagg atgtatggct	300
gcgacctggg gcccgacggg cgctctctcc gcgggtatga ccagtacgcc tacgacggca	360
aggattacat cgccctgaac gaggatctgc gctcctggac cgccgcggac acggcggtc	420
agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtgg ctccgcagat acctgaagaa tgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1682
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1682	
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acttcatcgc agtgggctac gtggacgaca cgagttcgt gcggttcgac agcgacgccg	120
cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaac	240
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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagctgaga gcctacctg	480
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gcgcgg	546

<210> 1683
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1683	
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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggcca ggtctcacat catccagagg atgtatggct	300
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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagctgaga gcctacctg	480
agggcctgtg cgtggagtgg ctccgcagat acctgaagaa tgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1684
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1684	
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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
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tgcgcggcta ctacaaccag agcgaggcca ggtctcacat catccagagg atgtatggct	300
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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagctgaga gcctacctg	480
agggcctgtg cgtggagtgg ctccgcagat acctgaagaa tgggaaggag acgctgcagc	540

gcgcgg

546

<210> 1685
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1685
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 gagacctggg ccggctccca ctccatgagg tattttctaca ccgctgtgtc ccggcccggc 120
 cgcggggagc cccacttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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 ctagctgtcc taggagctgt ggtggctgtt gtgatgtgta ggaggaagag ctcaggtgga 1020
 aaaggagggg gctgctctca ggctgcgtcc agcaacagtg cccagggctc tgatgagtct 1080
 ctcatcgctt gtaa 1094

<210> 1686
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1686
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 cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg 180
 accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaacc 240
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agatcaccca gcgcaagttg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctgaagaa tgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1687
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1687	
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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccg gagtattggg	180
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agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcctgtg cgtggagtgg ctccgcagat acctgaagaa tgggaaggag acgctgcagc	540
gcgcgg	546

<210> 1688
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1688	
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aggattacat cgccctgaac gaggatctgc gtcctggac cgccgcggac acggcggtc	420
agatcaccca gcgcaagtgg gaggcgggccc gtgaggcgga gcagctgaga gcctacctgg	480
agggcacgtg cgtggagtgg ctccgcagat acctggagaa cggaaggag acgctgcagc	540

gcgcgg

546

<210> 1689
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1689
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<210> 1690
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1690
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 gcgcgg 546

<210> 1691
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1691
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<210> 1692
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1692

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gcgcgg	546

<210> 1693
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1693	
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gcgacctggg gccggacggg cgcctcctcc gcgggtataa ccagttcgcc tacgacggca	360
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<210> 1694
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1695
 <211> 546
 <212> DNA
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<210> 1696
 <211> 546
 <212> DNA
 <213> Homo sapiens

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gcgcgg

546

<210> 1697
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1698
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1698
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ctagctgtcc taggagctgt gatggctgtt gtgatgtgta ggaggaagag ctcaggtgga	1020
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<210> 1699
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 <212> DNA
 <213> Homo sapiens

<400> 1699 gctccactc catgaggtat ttctacaccg ccgtgtcccg gcccggccgc ggagagcccc	60
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gcgacctggg gcccgcaggc cgcctcctcc gcgggtataa ccagttcgcc tacgacggca	360
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gcgcgg	546

<210> 1700
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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catgaggtca ccctgaggtg ctggggccctg ggctttctacc ctgcggagat cacactgacc	720
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tcttcccagc ccaccatccc catcgtgggc atcgttgctg gcctggctgt cctggctgtc	960
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ctcatcgctt gtaa	1094

<210> 1701
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccg gagtattggg	180
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<210> 1702
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1702	
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cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccg gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgaac ctgcggaaac	240
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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagcggaga gcctacctgg	480
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gcgcgg	546

<210> 1703
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1703	
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cgagtccaag aggggagccg cgggcgcggt ggggtggagca ggaggggccc gagtattggg	180
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gcgcgg	546

<210> 1704
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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cgcgagagc cccgcttcac ctacgtgggc tacgtggacg acacgcagtt cgtgcggttc	180
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aacctgcgga aactgcgcgg ctactacaac cagagcgagg acgggtctca caccctccag	360
tggatgtatg gctgcgacct ggggcccgc gggcgccctc tccgcgggta tgaccagtcc	420
gcctacgacg gcaaggatta catcgccctg aacgaggacc tgcgctcctg gaccgccgcg	480
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 <211> 546
 <212> DNA
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gcgacctggg gcccgacggg cgctcctcc gcgggtatga ccagtccgcc tacgacggca	360
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<210> 1706
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1706	
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cgagtccgag aggggagccc cgggcgccgt ggggtggagca ggaggggccg gagtattggg	180
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<210> 1707
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 1709
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1710
 <211> 546
 <212> DNA
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gcgcgg 546

<210> 1711
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1711
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gcgcgg 546

<210> 1712
<211> 1094
<212> DNA
<213> Homo sapiens

<400> 1712
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ctcatcactt gtaa	1094

<210> 1713
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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ctcatcactt gtaa	1094

<210> 1714
 <211> 1094
 <212> DNA

<213> Homo sapiens

<400> 1714

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cgcgagagag cccgcttcat ctcaagtggg tacgtggacg acacgcagtt cgtgcggttc	180
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agcctgcgga acctgcgcgg ctactacaac cagagcgagg acgggtctca caccctccag	360
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tcttcccagc ccaccatccc catcatgggc atcgttgctg gcctggctgt cctggttgtc	960
ctagctgtcc ttggagctgt ggtcacgcgt atgatgtgta ggaggaagag ctcaggtgga	1020
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ctcatcactt gtaa	1094

<210> 1715

<211> 1022

<212> DNA

<213> Homo sapiens

<400> 1715

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gcgagtccga gaggggagcc gcgggcgccg tgggtggagc aggaggggccc ggagtattgg	180
gaccgggaga cacagaagta caagcgccag gcacaggctg accgagtgag cctgcggaac	240
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aa						1022

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 <212> DNA
 <213> Homo sapiens

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cgcgagagac	cccgcctcat ctcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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ctcatcactt gtaa

1094

<210> 1717
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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 cgcgagagac cccgcttcat ctcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
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 ctcatcactt gtaa 1094

<210> 1718
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1718
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 cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg 180
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gcgcag	546

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 <211> 1094
 <212> DNA
 <213> Homo sapiens

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tcttcccagc ccaccatccc catcatgggc atcgttgctg gcctggctgt cctggttgtc	960
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<210> 1720
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 <212> DNA
 <213> Homo sapiens

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gcgcag 546

<210> 1721
<211> 546
<212> DNA
<213> Homo sapiens

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gcgcag 546

<210> 1722
<211> 546
<212> DNA
<213> Homo sapiens

<400> 1722
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 <212> DNA
 <213> Homo sapiens

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gcgcgg						546

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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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cgggcgccgt	gggtggagca
ggaggggccc	gagtattggg
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	240
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agcgaggacg	gggtctcacac
cctccagagg	atgtacggct
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cgctctctcc	gcgggtatga
ccagtccgcc	tacgacggca
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cgccgcggac	accgcggctc
	420
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<210> 1728
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgggcgccgt	gggtggagca
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	360
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gaggacctgc	gctcctggac
cgccgcggac	accgcggctc
	420
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gaggcgggccc	gtgcggcgga
gcagctgaga	gcctacctgg
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546

<210> 1729
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 <212> DNA
 <213> Homo sapiens

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<210> 1730
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 <212> DNA
 <213> Homo sapiens

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<210> 1731
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 <212> DNA
 <213> Homo sapiens

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<210> 1732
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 <212> DNA
 <213> Homo sapiens

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 cgcgagagag cccgcttcat cgcaagtggg tacgtggacg acacgcagtt cgtgcagttc 180
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<210> 1733
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
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 <212> DNA
 <213> Homo sapiens

<400> 1734

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 546
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<212> DNA
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 <212> DNA
 <213> Homo sapiens

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gagacgctgc agcgcgcgga acacccaaag acacacgtga cccaccatcc cgtctctgac	660
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<210> 1744
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
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gcgcgg	546

<210> 1745
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 <212> DNA
 <213> Homo sapiens

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ctcatcgctt gtaa	1094

<210> 1746
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccaag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
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tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagtgg atgtatggct	300
gcgacctggg gcccgcggg cgcctcctcc gcgggtatga ccagtccgcc tacgacggca	360
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gcgcgg	546

<210> 1747
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<212> DNA
 <213> Homo sapiens

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 cgcgagagagc cccgcttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
 gacagcgacg ccgcgagtcc gagaggggag ccgcgggcgc cgtgggtgga gcaggagggg 240
 ccggagtatt gggaccggga gacacagaag tacaagcgcc aggcacaggc tgaccgagtg 300
 aacctgcgga aactgcgcgg ctactacaac cagagcgagg ccgggtctca caccctccag 360
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 catgaggcca ccctgaggtg c 681

<210> 1748
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1748
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 cgcgagagagc cccgcttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc 180
 gacagcgacg ccgcgagtcc aagaggggag ccgcgggcgc cgtgggtgga gcaggagggg 240
 ccggagtatt gggaccggga gacacagaag tacaagcgcc aggcacaggc tgaccgagtg 300
 aacctgcgga aactgcgcgg ctactacaac cagagcgagg ccgggtctca caccctccag 360
 tggatgtatg gctgcgacct ggggccccgac gggcgccctc tccgcgggta tgaccagtcc 420
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 tggcagcggg atggcgagga ccaaactcag gacaccgagc ttgtggagac caggccagca 780
 ggagatggaa ccttccagaa gtgggcagct gtggtggtgc cttctggaga agagcagaga 840

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ctagctgtcc taggagctgt gatggctgtt gtgatgtgta ggaggaagag ctcaggtgga	1020
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<210> 1749
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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cgcgagagag cccgcttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc	180
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ccggagtatt gggaccggga gacacagaag tacaagcgcc aggcacagac tgaccgagtg	300
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gacacggcgg ctcagatcac ccagcgcaag tgggaggcgg cccgtgaggc ggagcagtgg	540
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gagacgtgc agcgcgcgga acacccaaag acacacgtga cccaccatcc cgtctctgac	660
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tggcagcggg atggcgagga ccaaactcag gacaccgagc ttgtggagac caggccagca	780
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ctcatcgctt gtaa	1094

<210> 1750
 <211> 546
 <212> DNA
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<400> 1750	
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agatcaccca gcgcaagtgg gaggcgcccc gtgaggcgga gcagtggaga gcctacctgg	480
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 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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cgcgagagac ccgccttcac cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc	180
gacagcgacg ccgcgagtc aagaggggag ccgcgggccc cgtgggtgga gcaggagggg	240
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 <213> Homo sapiens

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
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gcgcgg	546

<210> 1755
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1755	
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tcttcccagc ccaccatccc catcgtgggc atcgttgctg gcctggctgt cctggctgtc	960
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ctcatcgctt gtaa	1094

<210> 1756
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1757
 <211> 546
 <212> DNA
 <213> Homo sapiens

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cgagtccgag aggggagccg cgggcgccgt ggggtggagca ggaggggccc gagtattggg	180
accgggagac acagaagtac aagcgccagg cacagactga ccgagtgagc ctgcggaacc	240
tgcgcggcta ctacaaccag agcgaggccg ggtctcacac cctccagtgg atgtatggct	300

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agatcaccca gcgcaagtgg gaggcgggcc gtgaggcgga gcagcggaga gcctacctgg	480
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gcgcgg	546

<210> 1758
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1758	
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 <211> 546
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 <213> Homo sapiens

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<210> 1760
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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ctcatcgctt gtaa	1094

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<210> 1761
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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 ctcatcgctt gtaa 1094

<210> 1762
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 1762
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 <211> 1094
 <212> DNA
 <213> Homo sapiens

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ctcatcgctt gtaa	1094

<210> 1764
 <211> 1015
 <212> DNA
 <213> Homo sapiens

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cgcgagagag cccacttcat cgcagtgggc tacgtggacg acacgcagtt cgtgcggttc	180
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<210> 1765
 <211> 546
 <212> DNA
 <213> Homo sapiens

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 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1767
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 1767	
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<210> 1768
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1769
 <211> 546
 <212> DNA
 <213> Homo sapiens

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<210> 1770
 <211> 1094

<212> DNA
 <213> Homo sapiens

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<210> 1771
 <211> 1094
 <212> DNA
 <213> Homo sapiens

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 <211> 1015
 <212> DNA
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tccgggcggt gacggagctg gggcggcctg atgaggagta ctggaacagc cagaaggaca 180
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aggccgtgac cctgcagcgc cgag 264

<210> 2042
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2042
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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggaca 180

tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 2043
<211> 249
<212> DNA
<213> Homo sapiens

<400> 2043
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gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga catcctggag 180
gagaagcggg cagtgccgga caggatgtgc agacacaact acgagctggt cgggcccattg 240
accctgcag 249

<210> 2044
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2044
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tgagagagata catctacaac cgggaggagt tcgtgcgctt cgacagcgac gtgggggaggt 120
tccgggcggg gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca 180
tcctggagga ggagcgggca gtgccggaca ggatatgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 2045
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2045
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tccgggcggg gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc 180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 2046
<211> 263
<212> DNA
<213> Homo sapiens

<400> 2046
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tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgt cga	263

<210> 2047
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 <212> DNA
 <213> Homo sapiens

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

<210> 2048
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 <212> DNA
 <213> Homo sapiens

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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

<210> 2049
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2049 agaattacct tttccaggga cggcaggaat gctacgcgctt taatgggaca cagcgcttcc	60
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tccgggcggt gacggagctg gggcggcctg ctgaggagta ctggaacagc cagaaggaca	180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggag	240
ggcccatgac cctgcagcgc cgag	264

<210> 2050
 <211> 264

<212> DNA
 <213> Homo sapiens

<400> 2050
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 tccgggagggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca 180
 tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggag 240
 ggcccatgac cctgcagcgc cgag 264

<210> 2051
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2051
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 tggagagata catctacaac cgggaggagt tcgtgcgctt cgacagcgac gtgggggagt 120
 tccgggagggt gacggagctg gggcggcctg atgaggagta ctggaacagc cagaaggacc 180
 tcctggagga gaagcgggca gtgccggaca gggatatgcag acacaactac gagctgggag 240
 aggccgtgac cctgcagcgc cgag 264

<210> 2052
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 2052
 gtgtaccagt tacggcagga atgctacgcg tttaatggga cacagcgctt cctggagaga 60
 tacatctaca accgggagga gtacgcgcgc ttcgacagcg acgtgggaga gttccgggag 120
 gtgacggagc tggggcgggc tgctgcggag tactggaaca gccagaagga catcctggag 180
 gagaagcggg cagtgccgga cagagtatgc agacacaact acgagctgga cgaggccgtg 240
 accctgcagc gccgag 256

<210> 2053
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 2053
 gtgtaccagt tacggcagga atgctacgcg tttaatggga cacagcgctt cctggagaga 60
 tacatctaca accgggagga gtacgcgcgc ttcgacagcg acgtggggga gttccgggag 120
 gtgacggagc tggggcgggc tgctgcggag tactggaaca gccagaagga catcctggag 180
 gagaagcggg cagtgccgga cagggtatgc agacacaact acgagctgga cgaggccgtg 240

accctgcagc gccga

255

<210> 2054
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2054
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 tggagagata catctacaac cgggaggagt acgcgcgctt cgacagcgac gtgggggagt 120
 tccgggagggt gacggagctg gggcggcctg ctgaggagta ctggaacagc cagaaggaca 180
 tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
 aggccgtgac cctgcagcgc cgag 264

<210> 2055
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2055
 agaattacct ttccaggga cggcaggaat gctacgcggt taatgggaca cagcgcttcc 60
 tggagagata catctacaac cgggaggagt tcgcgcgctt cgacagcgac gtgggggagt 120
 tccgggagggt gacggagctg gggcggcctg atgaggagta ctggaacagc cagaaggacc 180
 tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggtcg 240
 ggcccatgac cctgcagcgc cgag 264

<210> 2056
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2056
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 tccgggagggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc 180
 tcctggagga ggagcgggca gtgccggaca gggatatgcag acacaactac gagctggacg 240
 aggccgtgac cctgcagcgc cgag 264

<210> 2057
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2057
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 tggagagata catctacaac cgggaggagt tcgtgcgctt cgacagcgac gtgggggagt 120

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tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcag	257

<210> 2058
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2058	
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tggagagata catctacaac cgggaggagt tcgcgcgctt cgacagcgac gtgggggagt	120
tccgggcggt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggacc	180
tcctggagga gaagcgggca ttgccggaca ggatgtgcag acacaactac gagctggacg	240
aggccgtgac cctgcagcgc cgag	264

<210> 2059
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2059	
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tccgggcggt gacggagctg gggcggcctg atgaggtgta ctggaacagc cagaaggaca	180
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ggcccatgac cctgcagcgc cgag	264

<210> 2060
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2060	
agaattacct tttccaggga cggcaggaat gctacgcgtt taatgggaca cagcgcttcc	60
tggagagata catctacaac cgggaggagt tcgcgcgctt cgacagcgac gtgggggagt	120
tccgggcggt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
ggcccatgac cctgcag	257

<210> 2061
 <211> 257
 <212> DNA
 <213> Homo sapiens

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<400> 2061
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tccgggcggt gacggagctg gggcggcctg ctgcggagta ctggaacagc cagaaggacc 180
tcctggagga gaagcgggca ttgccggaca ggatgtgcag acacaactac gagctggtcg 240
ggcccatgac cctgcag 257

<210> 2062
<211> 257
<212> DNA
<213> Homo sapiens

<400> 2062
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tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggaca 180
tcctggagga gaagcgggca gtgccggaca gggatatgcag acacaactac gagctggacg 240
aggccgtgac cctgcag 257

<210> 2063
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2063
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tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca 180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 2064
<211> 256
<212> DNA
<213> Homo sapiens

<400> 2064
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gtgacggagc tggggcgggc tgatgaggag tactggaaca gccagaagga catcctggag 180
gaggagcggg cagtgccgga cagggtatgc agacacaact acgagctgga cgaggccgtg 240
accctgcagc gccgag 256

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<210> 2065
<211> 249
<212> DNA
<213> Homo sapiens

<400> 2065
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tacatctaca accgggagga gctcgtgcgc ttcgacagcg acgtggggga gttccgggag 120
gtgacggagc tggggcgggc tgaggcgag tactggaaca gccagaagga catcctggag 180
gagaagcggg cagtgccgga caggatgtgc agacacaact acgagctgga cgaggccgtg 240
accctgcag 249

<210> 2066
<211> 263
<212> DNA
<213> Homo sapiens

<400> 2066
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tgagagata catctacaac cgggaggagt acgcgcgctt cgacagcgac gtgggggagt 120
tccgggagggt gacggagctg gggcggcctg ctgaggagta ctggaacagc cagaaggaca 180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggag 240
ggcccatgac cctgcagcgc cga 263

<210> 2067
<211> 263
<212> DNA
<213> Homo sapiens

<400> 2067
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tgagagata catctacaac cgggaggagt acgcgcgctt cgacagcgac gtgggggagt 120
tccgggagggt gacggagctg gggcggcctg ctgaggagta ctggaacagc cagaaggaca 180
tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggag 240
ggcccatgac cctgcagcgc cga 263

<210> 2068
<211> 261
<212> DNA
<213> Homo sapiens

<400> 2068
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gagagataca tctacaaccg ggaggagttc gtgcgcttcg acagcgacgt gggggagttc 120
cgggagggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacttc 180

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ctggaggagg agcgggcagt gccggacagg atgtgcagac acaactacga gctgggagg 240
cccatgaccc tgcagcgccg a 261

<210> 2069
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2069
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tgagagata catctacaac cgggaggagc tcgtgcgctt cgacagcgac gtgggggagt 120
tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggacc 180
tcctggagga ggagcgggca gtgccggaca gggatatgcag acacaactac gagctggacg 240
aggccgtgac cctgcagcgc cgag 264

<210> 2070
<211> 249
<212> DNA
<213> Homo sapiens

<400> 2070
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tacatctaca accgggagga gttcgtgcgc ttcgacagcg acgtggggga gttccgggag 120
gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga cctcctggag 180
gagaagcggg cagtgccgga cagggatatgc agacacaact acgagctgga cgaggccgtg 240
accctgcag 249

<210> 2071
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2071
agaattacct tttccaggga cggcaggaat gctacgcgtt taatgggaca cagcgcttcc 60
tgagagata catctacaac cgggaggagt tcgtgcgctt cgacagcgac gtgggggagt 120
tccgggcggt gacggagctg gggcggcctg atgaggacta ctggaacagc cagaaggaca 180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggag 240
ggcccatgac cctgcagcgc cgag 264

<210> 2072
<211> 264
<212> DNA
<213> Homo sapiens

<400> 2072

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agaattacct tttccaggga cggcaggaat gctacgcgtt taatgggaca cagcgcttcc	60
tggagagata catctacaac cgggaggagt tcgtgcgctt cgacagcgac gtgggggagt	120
tccgggcggt gacggagctg gggcggcctg aggcggagta ctggaacagc cagaaggaca	180
tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg	240
ggcccatgac cctgcagcgc cgag	264

<210> 2073
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 2073	
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cgggcggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacatc	180
ctggaggagg agcgggcagt gccggacagg atgtgcagac acaactacga gctgggcggg	240
cccatgaccc tgcag	255

<210> 2074
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 2074	
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cgggcggtga cggagctggg gcggcctgat gaggagtact ggaacagcca gaaggacatc	180
ctggaggaga agcgggcagt gccggacagg atgtgcagac acaactacga gctgggcggg	240
cccatgaccc tgcag	255

<210> 2075
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 2075	
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gagagataca tctacaaccg ggaggagttc gtgcgcttcg acagcgacgt gggggagttc	120
cgggcggtga cggagctggg gcggcctgat gaggactact ggaacagcca gaaggacctc	180
ctggaggaga agcgggcagt gccggacagg gtatgcagac acaactacga gctggacgag	240
gccgtgaccc tgcag	255

<210> 2076

<211> 264
 <212> DNA
 <213> Homo sapiens

<400> 2076
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 ggcccatgac cctgcagcgc cgag 264

<210> 2077
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2077
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 tccgggcggt gacggagctg gggcggcctg ctgaggagta ctggaacagc cagaaggacc 180
 tcctggagga gaagcgggca gtgccggaca gggatatgcag acacaactac gagctgggag 240
 aggccgtgac cctgcag 257

<210> 2078
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2078
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 tggagagata catctacaac cgggaggagt acgcgcgctt cgacagcgac gtgggggagt 120
 tccgggcggt gacggagctg gggcggcctg atgaggagta ctggaacagc cagaaggaca 180
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<210> 2079
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2079
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aggccgtgac cctgcag 257

<210> 2080
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2080
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 tcctggagga ggagcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
 aggccgtgac cctgcag 257

<210> 2081
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 2081
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 gtgacggagc tggggcggcc tgctgcggag tactggaaca gccagaagga cctcctggag 180
 gagaagcggg cagtgccgga cagggatatgc agacacaact acgagctgga cgaggccgtg 240
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<210> 2082
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 2082
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cgggcggtga cggagctggg gcggcctgct gcggagtact ggaacagcca gaaggacatc 180
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 <212> DNA
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 tcctgtagga gaagcgggca gtgccggaca gggatatgcag acacaactac gagctggacg 240
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<210> 2087
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 <212> DNA
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<400> 2087
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ggcccatgac cctgcag 257

<210> 2088
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<212> DNA
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<400> 2088
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cgggcggtga cggagctggg gcggcctgct gcggagtact ggaacagcca gaaggacatc 180
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gccgtgaccc tgcag 255

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<212> DNA
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<400> 2089
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cgggcggtga cggagctggg gcggcctgat gaggactact ggaacagcca gaaggacctc 180
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gccgtgaccc tgcag 255

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<212> DNA
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ggcccatgac cctgcagcgc cgag 264

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tcctggagga gaagcgggca gtgccggaca gggatgtgcag acacaactac gagctgggag 240
aggccgtgac cctgcagcgc cgag 264

<210> 2093
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<212> DNA
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aggccgtgac cctgcagcgc cga 263

<210> 2094
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<212> DNA
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<400> 2094
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tcctggagga gaggcgggca gtgccggaca ggatgtgcag acacaactac gagctggacg 240
aggccgtgac c 251

<210> 2095
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<212> DNA
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<400> 2095
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ctggaggaga agcggggcagt gccggacagg gtatgcagac acaactacga gctggacgag 240
gccgtgaccc tgcag 255

<210> 2096
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<212> DNA
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cccatgaccc tgcag 255

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cccatgaccc tgcag 255

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ctggaggaga agcgggcagt gccggacagg gtatgcagac acaactacga gctgggcggg	240
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 <212> DNA
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gtgacggagc tggggcggcc tgctgcggag tactggaaca gccagaagga cctcctggag	180
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accctgcag	249

<210> 2100
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 <212> DNA
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gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga catcctggag	180
gagaagcggg cagtgccgga cagggtatgc agacacaact acgagctggg cgggcccattg	240
accctgcag	249

<210> 2101
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 <212> DNA
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<210> 2102
 <211> 264

<212> DNA
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 ggcccatgac cctgcagcgc cgag 264

<210> 2103
 <211> 264
 <212> DNA
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<400> 2103
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 aggccgtgac cctgcagcgc cgag 264

<210> 2104
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 <212> DNA
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<400> 2104
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 aggccgtgac cctgcagcgc cgag 264

<210> 2105
 <211> 251
 <212> DNA
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<400> 2105
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251

<210> 2106
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 ggcccatgac cctgcagcgc cgag 264

<210> 2107
 <211> 264
 <212> DNA
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<400> 2107
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 tccgggcggt gacggagctg gggcggcctg atgaggagta ctggaacagc cagaaggaca 180
 tcctggagga gaagcgggca gtgccggaca ggatgtgcag acacaactac gagctgggcg 240
 ggcccatgac cctgcagcac cgag 264

<210> 2108
 <211> 264
 <212> DNA
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 ggcccatgac cctgcagcgc cgag 264

<210> 2109
 <211> 263
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<210> 2111
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 <212> DNA
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<210> 2112
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 <212> DNA
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<210> 2113
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 <212> DNA
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<210> 2114
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 aggccgtgac cctgcagcgc cgag 264

<210> 2115
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 aggccgtgac cctgcagcgc cgag 264

<210> 2116
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 <212> DNA
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<400> 2116
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<210> 2118
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<210> 2119
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<400> 2120
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<210> 2121
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<212> DNA
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 <400> 2121
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 <210> 2122
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 <212> DNA
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 <210> 2123
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 <212> DNA
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 <210> 2124
 <211> 22
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 <400> 2124
 gtttatgttt gaatttgatg ac 22

 <210> 2125
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 <212> DNA
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 <400> 2125
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 <210> 2126
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 ctggaggagt ttggccaaa 19

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<212> DNA
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<210> 2130
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<400> 2130
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<210> 2131
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<400> 2131
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 <213> Homo sapiens

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<210> 2434
 <211> 222
 <212> DNA
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 <211> 529
 <212> DNA
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 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

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<211> 449

<212> DNA

<213> Homo sapiens

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 <211> 248
 <212> DNA
 <213> Homo sapiens

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<210> 2452
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 <212> DNA
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 <212> DNA
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 <211> 248
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<210> 2455
 <211> 529
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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gcggcgag	248

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248

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 <211> 529
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 2472
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caacctgctg gtctgctcgg tgacagat	ctatccaggc cagatcaaag tccggtggtt	360
tcggaatgat caggaggaga cagccggcgt	tgtgtccacc ccccttatta ggaatggtga	420
ctggaccttc cagatcctgg tgatgctgga	aatgactccc cagcgtggag atgtctacac	480
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<210> 2473
 <211> 529
 <212> DNA
 <213> Homo sapiens

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<400> 2473
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<210> 2474
 <211> 289
 <212> DNA
 <213> Homo sapiens

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<210> 2475
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 2475
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<210> 2476
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 2476
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tcgacagcga cgtgggggtg taccgggcgg tgacgccgca ggggcggcct gtcgccgagt 120
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<210> 2477
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 <212> DNA
 <213> Homo sapiens

<400> 2477
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 actggaacag ccagaaggaa gtcctggaga ggacccgggc ggcggtggac aggggtg 176

<210> 2478
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 2478
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 <212> DNA
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<400> 2479
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 <213> Homo sapiens

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<210> 2481
 <211> 248
 <212> DNA
 <213> Homo sapiens

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gcaggggacgg cctagcgccg agtactggaa cagccagaag gaagtcctgg aggggacccg	180
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<210> 2482
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 2482 gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtgacca gatacatcta	60
taaccgagag gagtacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtgacgcc	120
gcaggggacgg cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggacccg	180
ggcggagtgt gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcttgca	240
gagg	244

<210> 2483
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 2483 gggcatgtgc tacttcacca acgggacgga gcgcgtgcgt cttgtaacca gatacatcta	60
taaccgagag gagtacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtgacgcc	120
gcaggggacgg cctgatgccg agtactggaa cagccagaag gaagtcctgg aggggacccg	180
ggcggagtgt gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggatcttgca	240
gaggagag	248

<210> 2484
 <211> 529

<212> DNA
 <213> Homo sapiens

<400> 2484
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 taaccgagag gagtacgcgc gcttcgacag cgacgtgggg gtgtaccggg cggtgacgcc 120
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 caacctgctg gtctgctcgg tgacagatct ctatccaggc cagatcaaag tccagtgggtt 360
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 ctggactttc cagatcctgg tgatgctgga aatgactccc cagcgtggag atgtctacac 480
 ctgccacgtg gagcacccca gcctccagag ccccatcacc gtggagtgg 529

<210> 2485
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 2485
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 ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgcg ggat 234

<210> 2486
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 2486
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 taaccgagag gagtacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtgacgcc 120
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 gaggagag 248

<210> 2487
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 2487
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taaccgagag	gagtacgcg	gcttcgacag	cgacgtgggg	gtgtaccgcg	cggtgacgcc	120
gcagggg	cctgatgcc	agtactggaa	cagccagaag	gaagtcctgg	agaggacccg	180
ggcggagttg	gacacggtgt	gcagacacaa	ctacgaggtg	gggtaccgcg	ggatcctgca	240
gaggagag						248

<210> 2488
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 2488						
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gcagggg	cctgatgcc	agaactggaa	cagccagaag	gaagtcctgg	aggggacccg	180
ggcggagttg	gacacggtgt	gcagacacaa	ctacgaggtg	gcgttccgcg	ggatcctgca	240
gaggagag						248

<210> 2489
 <211> 229
 <212> DNA
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gcagggg	cctgttgccg	agtactggaa	cagccagaag	gaagtcctgg	agggggcccg	180
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<210> 2490
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 <212> DNA
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<400> 2490						
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gaggag						246

<210> 2491
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 <212> DNA
 <213> Homo sapiens

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<400> 2491
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<210> 2492
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 2492
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 taaccgagag gagtacgcgc gcttcgacag cgacgtgggg gtgtaccgcg cggtgacgcc 120
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 ggcggagttg gacacggtgt gcagacacaa ctacgaggtg gcgttccgc 229

<210> 2493
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 2493
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 aagtttgaat gtcatttctt caatgggacg gagcgggtgc ggttgctgga aagatgcatc 180
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 cgggccgcgg tggacaccta ctgcagacac aactacgggg ttggtgagag cttcacagtg 360
 cagcggcgag 370

<210> 2494
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2494
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 ggttgctgga aagatgcatc tataaccaag aggaatccgt gcgcttcgac agcgacgtgg 120
 gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagagg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcggcgag 270

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<210> 2495
 <211> 283
 <212> DNA
 <213> Homo sapiens

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 gacagcgacg tgggggagta ccgggcggtg acggagctgg ggccggcctga tgccgagtac 180
 tggaacagcc agaaggacct cctggagcag aggcgggccg cgggtggacac ctattgcaga 240
 cacaactacg gggctgtgga gagcttcaca gtgcagcggc gag 283

 <210> 2496
 <211> 246
 <212> DNA
 <213> Homo sapiens

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 <210> 2497
 <211> 370
 <212> DNA
 <213> Homo sapiens

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 cagcggcgag 370

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 <211> 283
 <212> DNA
 <213> Homo sapiens

 <400> 2498

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gacagcgacg tgggggagta ccgggcggtg acggagctgg ggccggcctga tgccgagtac	180
tggaacagcc agaaggacct cctggagcag aggcgggccc cggtggacaa ttactgcaga	240
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<210> 2499
 <211> 270
 <212> DNA
 <213> Homo sapiens

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<210> 2500
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2500	
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<210> 2501
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2501	
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<210> 2502

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<211> 270
<212> DNA
<213> Homo sapiens

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aggacctcct ggagcagagg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 2503
<211> 270
<212> DNA
<213> Homo sapiens

<400> 2503
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gggagtaccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
aggacctcct ggagcaggcg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 2504
<211> 270
<212> DNA
<213> Homo sapiens

<400> 2504
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ttggtgagag cttcacagtg cagcggcgag 270

<210> 2505
<211> 283
<212> DNA
<213> Homo sapiens

<400> 2505
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tggaacagcc agaaggacct cctggagcag aagcggggcc ggggtggaaa ctactgcaga 240

cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 2506
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 2506
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 ggtacctgga cagatacttc cataaccagg aggagaacgt gcgcttcgac agcgacgtgg 120
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<210> 2507
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2507
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<210> 2508
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2508
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<210> 2512
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 <212> DNA
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 <212> DNA

<213> Homo sapiens

<400> 2513

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<210> 2514

<211> 283

<212> DNA

<213> Homo sapiens

<400> 2514

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gacagcgacg	tgggggagtt	ccgggcgggtg	acggagctgg	ggcggcctga	tgccgagtac	180
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<210> 2515

<211> 283

<212> DNA

<213> Homo sapiens

<400> 2515

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gacagcgacg	tgggggagtt	ccgggcgggtg	acggagctgg	ggcggcctga	tgaggagtac	180
tggaacagcc	agaaggacct	cctggagcag	aagcggggcc	gggtggacaa	ctactgcaga	240
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<210> 2516

<211> 258

<212> DNA

<213> Homo sapiens

<400> 2516

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cgggcgggtga	cggagctggg	gcggcctgat	gccgagtact	ggaacagcca	gaaggacctc	180
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<210> 2517
 <211> 283
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 <213> Homo sapiens

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 gacagcgacg tgggggagtt ccgggcggtg acggagctgg ggcggcctgc tgcggagcac 180
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<210> 2518
 <211> 269
 <212> DNA
 <213> Homo sapiens

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<210> 2519
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<210> 2520
 <211> 270
 <212> DNA
 <213> Homo sapiens

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<210> 2521
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 <212> DNA
 <213> Homo sapiens

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 aggacctcct ggagcagaag cggggccggg tggacaccta ctgcagacac aactacgggg 240
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<210> 2522
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 <212> DNA
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<400> 2522
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 gggagttccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagaag cggggccggg tggacaccta ctgcagacac aactacgggg 240
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<210> 2523
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 <212> DNA
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 gggagttctg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
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<210> 2524
 <211> 270
 <212> DNA
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<400> 2524
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 <212> DNA
 <213> Homo sapiens

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gggagttccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctcct ggagcagaag cggggccggg tggacaacta ctgcagacac aactacgggg	240
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<210> 2526
 <211> 270
 <212> DNA
 <213> Homo sapiens

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aggacatcct ggagcagaag cggggccggg tggacaacta ctgcagacac aactacgggg	240
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<210> 2527
 <211> 266
 <212> DNA
 <213> Homo sapiens

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ctgtggagag cttcacagtg cagcgg	266

<210> 2528
 <211> 267

<212> DNA
 <213> Homo sapiens

<400> 2528
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<210> 2529
 <211> 266
 <212> DNA
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<400> 2529
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 gttccggggc gtgacggagc tggggcggcc tgatgccgag tactggaaca gccagaagga 180
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 ggagagcttc acagtgcagc ggcgag 266

<210> 2530
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 <212> DNA
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 ttgtggagag cttcacagtg cagcggcgag 270

<210> 2531
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 <212> DNA
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<400> 2531
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<210> 2532
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 <212> DNA
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 aggacctcct ggagcagaag cggggccggg tggacaacta ctgcagacac aactacgggg 240
 ttgtggagag cttcacagtg cagcggcgag 270

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 <211> 370
 <212> DNA
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<400> 2533
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<210> 2534
 <211> 270
 <212> DNA
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 aggacctcct ggagcagaag cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
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<210> 2535
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 <212> DNA
 <213> Homo sapiens

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cgggccgagg tggacaccta ctgcagacac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

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<211> 283
<212> DNA
<213> Homo sapiens

<400> 2536
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cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

<210> 2537
<211> 270
<212> DNA
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<210> 2538
<211> 370
<212> DNA
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cagcggcgag	370

<210> 2539
 <211> 282
 <212> DNA
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<210> 2541
 <211> 270
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<210> 2542
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 <212> DNA
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<210> 2543
<211> 283
<212> DNA
<213> Homo sapiens

<400> 2543
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cacaactacg gggtttgtga gagcttcaca gtgcagcggc gag 283

<210> 2544
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<212> DNA
<213> Homo sapiens

<400> 2544
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<210> 2545
<211> 266
<212> DNA
<213> Homo sapiens

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ttggtgagag cttcacagtg cagcgg 266

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<210> 2546
<211> 266
<212> DNA
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tgagagcttc acagtgcagc ggcgag 266

<210> 2547
<211> 225
<212> DNA
<213> Homo sapiens

<400> 2547
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<210> 2548
<211> 266
<212> DNA
<213> Homo sapiens

<400> 2548
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 ctggggcggc ctgatgccga gtactggaac agccagaagg acctcctgga gcagaagcgg 180
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 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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<210> 2556
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<210> 2561
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<400> 2561

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ttggtg	246

<210> 2565

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<211> 260
<212> DNA
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<210> 2567
<211> 270
<212> DNA
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<211> 270
<212> DNA
<213> Homo sapiens

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 aggacctcct ggagcagagg cgggccctgg tggacaccta ctgcagacac aactacgggg 240
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<210> 2570
 <211> 240
 <212> DNA
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<210> 2571
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 <212> DNA
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<210> 2572
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 <212> DNA
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<212> DNA
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<210> 2578
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<211> 266
<212> DNA
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 <211> 264
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<210> 2583
 <211> 370
 <212> DNA
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<213> Homo sapiens

<400> 2587

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<210> 2588

<211> 250

<212> DNA

<213> Homo sapiens

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<211> 260

<212> DNA

<213> Homo sapiens

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<210> 2590

<211> 283

<212> DNA

<213> Homo sapiens

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<400> 2594

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 2600

<211> 245

<212> DNA

<213> Homo sapiens

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gggagtaccg ggcggtgacg gagctggggc ggcctagcgc cgagtactgg aacagccaga	180
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<210> 2601

<211> 271

<212> DNA

<213> Homo sapiens

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<211> 240
<212> DNA
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<212> DNA
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<400> 2606
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gggagtaccg ggcggtgacg gagctggggc ggcctagcgc cgagtactgg aacagccaga	180
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<212> DNA
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 <212> DNA
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<400> 2614
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269

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 <211> 266
 <212> DNA
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<210> 2620
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 <212> DNA
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<210> 2628
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 <212> DNA
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tggaacagcc agaaggacat cctggaagac gagcggggccg cgggtggacac ctactgcaga	240
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 <212> DNA
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gagctggggc ggcctgatga ggagtactgg aacagccaga aggacttcct ggaagacgag	300
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<211> 283
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<212> DNA
<213> Homo sapiens

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gttggtgaga gcttcacagt gcagcggcga 270

<210> 2633
<211> 268
<212> DNA
<213> Homo sapiens

<400> 2633
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gagttccggg cggtgacgga gctggggcgg cctgatgagg agtactggaa cagccagaag 180
gacttcttgg aagacaggcg ggccgcggtg gacacctact gcagacacaa ctacggggct 240
gtggagagct tcacagtgca gcggcgag 268

<210> 2634
<211> 266
<212> DNA
<213> Homo sapiens

<400> 2634
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ggagagcttc acagtgcagc ggcgag 266

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<212> DNA
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<210> 2636
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<212> DNA
<213> Homo sapiens

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gctggggcgg cctgatgagg agtactggaa cagccagaag gacctcctgg aagacaggcg 180
ggccgcggtg gacacctact gcagacacaa ctacgggggtt ggtgagagct tcacagtg 238

<210> 2637
<211> 238
<212> DNA
<213> Homo sapiens

<400> 2637
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gctggggcgg cctgatgagg agtactggaa cagccagaag gacctcctgg aagacaggcg 180
ggccgcggtg gacacctact gcagacacaa ctacgggggtt ggtgagagct tcacggtg 238

<210> 2638
<211> 231
<212> DNA
<213> Homo sapiens

<400> 2638

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<212> DNA
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<211> 266
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<400> 2640
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gttccgggcg gtgacggagc tggggcggcc tgatgaggag tactggaaca gccagaagga 180
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tgagagcttc acagtgcagc ggcgag 266

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<211> 219
<212> DNA
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gcggtggaca cctactgcag acacaactac ggggttggt 219

<210> 2642
<211> 270
<212> DNA
<213> Homo sapiens

<400> 2642
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gacagcgacg tgggggagtt ccgggcggtg acggagctgg ggcggcctga tgaggagtag	180
tggaacagcc agaaggactt cctggaagac aggcgggccg cgggtggacac ctactgcaga	240
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 gttccgggag gtgacggagc tggggcgggc tgatgaggag tactggaaca gccagaagga 180
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266

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 gggagttccg ggcggtgacg gagctggggc ggcctgatga ggagtactgg aacagccaga 180
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 <211> 247
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<212> DNA
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<211> 270
<212> DNA
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ttgtggagag cttcacagtg cagcggcgag 270

<210> 2656
<211> 240
<212> DNA
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<210> 2657
<211> 246
<212> DNA
<213> Homo sapiens

<400> 2657

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tgagag	246

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<210> 2659
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<210> 2661

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<210> 2662
 <211> 283
 <212> DNA
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259

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<210> 2667
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 <212> DNA
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gggagtcccg ggcggtgacg gagctggggc ggcctgatga ggggtactgg aacagccaga	180
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 <212> DNA
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gggagtcccg ggcggtgagg gagctggggc ggcctgatga ggagtactgg aacagccaga	180
aggacttcct ggaagacagg cgggccgcgg tggacaccta ctgcagacac aactacgggg	240
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gggagtcccg ggcggtgacg gagctggggc ggcctgatga ggagtactgg aacagccaga	180
aggacttcct ggaagacgag cgggccgcgg tggacaccta ctgcagacac aactacgggg	240
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<213> Homo sapiens

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<210> 2673

<211> 270

<212> DNA

<213> Homo sapiens

<400> 2673

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gggagttccg ggcggtgacg gagctggggc ggcctgatga ggagtactgg aacagccaga    180
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<210> 2674

<211> 270

<212> DNA

<213> Homo sapiens

<400> 2674

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gggagttccg ggcggtgagg gagctggggc ggcctgatga ggagtactgg aacagccaga    180
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<210> 2675

<211> 370

<212> DNA

<213> Homo sapiens

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gagctggggc ggcctgtcgc cgagtcctgg aacagccaga aggacatcct ggaagacagg 300
cgggccgcgg tggacaccta ctgcagacac aactacgggg ctgtggagag cttcacagtg 360
cagcggcgag 370

<210> 2677
<211> 270
<212> DNA
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<211> 243
<212> DNA
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<210> 2679
<211> 266

<212> DNA
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 <212> DNA
 <213> Homo sapiens

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 gcgggtgacgg agctggggcg gcctgatgag gagtactgga acagccagaa ggacatcctg 180
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<210> 2681
 <211> 270
 <212> DNA
 <213> Homo sapiens

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 gggagttccg ggcgggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
 aggacatcct ggaagacagg cgcgccgcgg tggacaccta ttgcagacac aactacgggg 240
 ctgtggagag cttcacagtg cagcggcgag 270

<210> 2682
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2682
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 tggaacagcc agaaggacat cctggaagac aggcgcgccg cgggtggacac ctattgcaga 240
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gacagcgacg tgggggagtt ccgggcgggtg acggagctgg ggcggcctga tgccgagtac 180
tggaacagcc agaaggacat cctggaagac gagcgggccg cgggtggacac ctactgcaga 240
cacaactacg gggttgtgga gagcttcaca gtgcagcggc gag 283

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<211> 270
<212> DNA
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<210> 2688
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 <212> DNA
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 <212> DNA
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 ttggtgagag cttcacagtg cagcgg 266

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 <211> 283
 <212> DNA
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<211> 268
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gacttcttgg aagacaggcg ggccgcggtg gacacctact gcagacacaa ctacgggggtt 240
ggtgagagct tcacagtgca gcggcgag 268

<210> 2694

<211> 228
 <212> DNA
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 cggcctgatg ccgagtactg gaacagccag aaggacatcc tggaagacag gcgggccgcg 180
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 ttggtgagag cttcacagtg cagcggcgag 270

<210> 2696
 <211> 268
 <212> DNA
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<210> 2699
 <211> 270
 <212> DNA
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 <213> Homo sapiens

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ttggtgagag cttcacagtg cagcggcgag 270

<210> 2702
<211> 262
<212> DNA
<213> Homo sapiens

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<211> 227
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<210> 2704
<211> 270
<212> DNA
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<210> 2705
<211> 266
<212> DNA
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<400> 2705
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 <212> DNA
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 <212> DNA
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<210> 2709
 <211> 283

<212> DNA
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 2790

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<211> 270

<212> DNA

<213> Homo sapiens

<400> 2791

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aggacctcct ggagcggagg cgggccgagg tggacgccta ttgcagacac aactacgggg	240
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<211> 270

<212> DNA

<213> Homo sapiens

<400> 2792

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<210> 2793

<211> 270

<212> DNA

<213> Homo sapiens

<400> 2793

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 <212> DNA
 <213> Homo sapiens

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<210> 2797
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 <212> DNA
 <213> Homo sapiens

<400> 2797

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gggagttccg ggcggtgacg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
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 <212> DNA
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 <212> DNA
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 <212> DNA
 <213> Homo sapiens

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<210> 2801
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<213> Homo sapiens

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<210> 2802
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 <212> DNA
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 ttccgggcgg tgacggagct ggggcggcct gacgctgagt actggaacag ccagaaggac 180
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 gagagcttca cagtg 255

<210> 2803
 <211> 261
 <212> DNA
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<400> 2803
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 <212> DNA
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 cgggcggcga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacatc 180
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gtaccgggcg gtgacggagc tggggcgggc tgacgtgag tactggaaca gccagaagga    180
catcctggag caggcgcggg ccgcggtgga cacctactgc agacacaact acggggttgt    240
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<210> 2806
<211> 270
<212> DNA
<213> Homo sapiens

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agaacatcct ggagcaggcg cgggccgcgg tggacaccta ctgcagacac aactacgggg    240
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<210> 2807
<211> 270
<212> DNA
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<210> 2808
<211> 248
<212> DNA
<213> Homo sapiens

<400> 2808
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 <211> 270
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 <213> Homo sapiens

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 aggacatcct ggagcaggcg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcggcgag 270

<210> 2810
 <211> 271
 <212> DNA
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 aaggacatcc tggagcaggc gcgggccgcg gtggacacct actgcagaca caactacggg 240
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<210> 2811
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 2811
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 acatcctgga gcaggcgcg gccgcggtgg acacctactg cagacacaac tacgggggttg 240
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<210> 2812
 <211> 370
 <212> DNA
 <213> Homo sapiens

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<211> 255
<212> DNA
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<211> 370
<212> DNA
<213> Homo sapiens

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<212> DNA
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<210> 2820
<211> 270
<212> DNA
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<212> DNA
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<211> 246
<212> DNA
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<210> 2825
<211> 264
<212> DNA
<213> Homo sapiens

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<211> 251
<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga	180
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<210> 2830
 <211> 246

<212> DNA
 <213> Homo sapiens

<400> 2830
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 gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
 ttggtg 246

<210> 2831
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 2831
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 gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
 aggacctcct ggagcagaag cggggccggg tggacaatta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcgg 266

<210> 2832
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 2832
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 gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
 aggacctcct ggagcagaag cggggccggg tggacaatta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcgg 266

<210> 2833
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 2833
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ttggtg

246

<210> 2834
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 2834
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 aagtctgagt gtcatttctt caatgggacg gagcgggtgc ggttcctgga gagacacttc 180
 cataaccagg aggagtacgc gcgcttcgac agcgacgtgg gggagtaccg ggcgggtgagg 240
 gagctggggc ggcctgatgc cgagtactgg aacagccaga aggacctcct ggagcagaag 300
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 cagcggcgag 370

<210> 2835
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2835
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 gacagcgacg tgggggagta ccgggcggtg agggagctgg ggcggcctga tgccgagtac 180
 tggaacagcc agaaggacct cctggagcag aagcggggcc aggtggacaa ttactgcaga 240
 cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 2836
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 2836
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 ggttcctgga gagacacttc cataaccagg aggagtacgc gcgcttcgac agcgacgtgg 120
 gggagtaccg ggcgggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagaag cggggccagg tggacaacta ctgcagacac aactacgggg 240
 ttggtg 246

<210> 2837
 <211> 270
 <212> DNA
 <213> Homo sapiens

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<400> 2837
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcaggcac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 2838
<211> 270
<212> DNA
<213> Homo sapiens

<400> 2838
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc ggagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
ttggtgagag cttcacagtg cagcggcgag 270

<210> 2839
<211> 241
<212> DNA
<213> Homo sapiens

<400> 2839
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gagagacact tccataacca ggaggagtcc gtgcgcttcg acagcgacgt gggggagtac 120
cgggcggtga gggagctggg gcggcctgat gccgagtact ggaacagcca gaaggacctc 180
ctggagcaga agcggggcca ggtggacaat tactgcagac acaactacgg ggttggtgag 240
a 241

<210> 2840
<211> 270
<212> DNA
<213> Homo sapiens

<400> 2840
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
aggacctcct ggagcagaag cggggccggg tggacaacta ctgcagacac aactacgggg 240
ttgtggagag cttcacagtg cagcggcgag 270

<210> 2841
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 2841
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 gagtaccggg cgggtgaggga gctggggcgg cctgatgccg agtactggaa cagccagaag 180
 gacctcctgg agcagaagcg gggccagggtg gacaattact gcagacacaa ctacgggggtt 240
 ggtgagagct tcacagtga g 261

<210> 2842
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 2842
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 gggagtaccg ggcgggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
 ttggtg 246

<210> 2843
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 2843
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 cgggcggtga gggagctggg gcggcctgtc gccgagtact ggaacagcca gaaggacctc 180
 ctggagcaga agcggggcca ggtggacaat tactgcagac acaactacgg ggttggtgag 240
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<210> 2844
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 2844
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 gggagtaccg ggcgggtgagg gagctggggc ggcctagcgc cgagtactgg aacagccaga 180

aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
 ttggtg 246

<210> 2845
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2845
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 ggttcctgga gagacacttc cataaccagg aggagtacgc gcgcttcgac agcgacgtgg 120
 gggagtaccg ggcgggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
 aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
 ttggtgagag cttcaca 257

<210> 2846
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2846
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 acggagcggg tgcggttcct ggagagacac ttccataacc aggaggagta cgcgcgcttc 120
 gacagcgacg tgggggagta ccgggcggtg acggagctgg ggcggcctga tgccgagtac 180
 tggaacagcc agaaggacct cctggagcag aagcggggcc aggtggacaa ttactgcaga 240
 cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 2847
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2847
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 gacagcgacg tgggggagta ccgggcggtg agggagctgg ggcggcctga tgccgagtac 180
 tggaacagcc agaaggacat cctggagcag aagcggggcc aggtggacaa ttactgcaga 240
 cacaactacg gggttggtga gagcttcaca gtgcagcggc gag 283

<210> 2848
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2848
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ggttcctgga gagacacttc cataaccagg aggagtagcg gcgcttcgac agcgacgtgg	120
gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
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<210> 2849
 <211> 270
 <212> DNA
 <213> Homo sapiens

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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg cagcggcgag	270

<210> 2850
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2850 cacgtttcctt ggagctgctt aagtctgagt gtcatttcctt caatgggacg gagcgggtgc	60
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg	240
ttgctgagag cttcacagtg cagcggcgag	270

<210> 2851
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2851 cacgtttcctt ggagctgctt aagtctgagt gtcatttcctt caatgggacg gagcgggtgc	60
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gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga	180
aggacctcct ggagcagaag cggggccagg tggacaccta ctgcagacac aactacgggg	240
ttggtgagag cttcacagtg cagcggcgag	270

<210> 2852
 <211> 270

<212> DNA
 <213> Homo sapiens

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<210> 2853
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2853
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 gggagtaccg ggcggtgagg gagctggggc ggcctgatgc cgagtactgg aacagccaga 180
 aggacttcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
 ttggtgagag cttcacagtg cagcggcgag 270

<210> 2854
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2854
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 acggagcggg tgcggttcct ggagagatac ttccataacc aggaggagt cgtgcgcttc 120
 gacagcgacg tgggggagta ccgggcggtg acggagctgg ggcggcctgt cgccgagtcc 180
 tggaacagcc agaaggacct cctggagcag aagcggggcc aggtggacaa ttactgcaga 240
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<210> 2855
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 2855
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 ggttcctgga gagatacttc cataaccagg aggagttcgt gcgcttcgac agcgacgtgg 120
 gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
 aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacggcg 240

ttgtggagag cttcacagtg cagcggcgag

270

<210> 2856
<211> 246
<212> DNA
<213> Homo sapiens

<400> 2856
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gggagtaccg ggcggtgacg gagctggggc ggcctgtcgc cgagtcctgg aacagccaga 180
aggacctcct ggagcagaag cggggccagg tggacaatta ctgcagacac aactacgggg 240
ttgtgg 246

<210> 2857
<211> 253
<212> DNA
<213> Homo sapiens

<400> 2857
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gtaccgggcg gtgacggagc tggggcggcc tgtcgccgag tcctggaaca gccagaagga 180
cctcctggag cagaagcggg gccgggtgga caattactgc agacacaact acgggggttg 240
tgagagcttc aca 253

<210> 2858
<211> 370
<212> DNA
<213> Homo sapiens

<400> 2858
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cgggccgagg tggacaccta ctgcagatac aactacgggg ttgtggagag cttcacagtg 360
cagcggcgag 370

<210> 2859
<211> 220
<212> DNA
<213> Homo sapiens

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<400> 2859
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aacagccaga aggacctcct ggagcggagg cgggccgagg tgggcaccta ctgcagatac 180
aactacgggg ttgtggagag cttcacagtg cagcggcgag 220

<210> 2860
<211> 283
<212> DNA
<213> Homo sapiens

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aacagtgacc tgggggagta ccaggcgggtg acggagctgg ggcggcctga cgctgagtac 180
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<210> 2861
<211> 370
<212> DNA
<213> Homo sapiens

<400> 2861
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gagctggggc ggcctgacgc tgagtactgg aacagccaga aggacctcct ggagcggagg 300
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cagcggcgag 370

<210> 2862
<211> 270
<212> DNA
<213> Homo sapiens

<400> 2862
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<210> 2863
 <211> 270
 <212> DNA
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 aggacctcct ggagcggagg cgggccgagg tggacaacta ctgcagatac aactacgggg 240
 ttgtggagag cttcacagtg cagcggcgag 270

 <210> 2864
 <211> 242
 <212> DNA
 <213> Homo sapiens

 <400> 2864
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 caggcggtga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacctc 180
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 <210> 2865
 <211> 270
 <212> DNA
 <213> Homo sapiens

 <400> 2865
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 gggagtacca ggcggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
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 <210> 2866
 <211> 300
 <212> DNA
 <213> Homo sapiens

 <400> 2866
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<210> 2867
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 2867	
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aagtatgagt	gtcattttctt caacgggacg gagcgggtgc ggttcctgca cagagacatc 180
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gagctggggc	ggcctgacgc tgagtactgg aacagccaga aggacttcct ggaagacagg 300
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cagcggcgag	370

<210> 2868
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 2868	
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aggacttcct	ggaagacagg cgggccgcgg tggacaccta ctgcagacac aactacgggg 240
ttggtgagag	cttcaca 257

<210> 2869
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 2869	
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gacagcgacg	tgggggagta ccgggcgggtg acggagctgg ggcggcctga cgctgagtac 180
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 cgggcggtga cggagctggg gcggcctgac gctgagtact ggaacagcca gaaggacttc 180
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 gggagtaccg ggcggtgacg gagctggggc ggcctgacgc tgagtactgg aacagccaga 180
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gagctggggc ggcctgacgc tgagtactgg aacagccaga aggacatcct ggagcaggcg	300
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